

# ADHESIVE TECHNOLOGY

Product catalogue flooring technology







"A good company that wishes to survive must remain young, dynamic and mobile and must develop new, creative ideas day after day."

**Dr. Werner Stauf**

(1900–1987)



## ADHESIVES SINCE 1828...

In motion as a matter of principle – innovation as a tradition.

It all began in a poorly equipped kitchen in Siegen. The building and grounds of the Stauf glue factory had been completely destroyed by two air raids. Then, one year after the end of World War II, Dr. Werner Stauf began experimenting with synthetic raw materials: he wanted to produce a glue that would begin a new era in the history of the family company.

The hide glue made up until then from animal hides was no longer profitable. While Stauf devoted himself to his experiments in the evening and during the night, he made his name throughout the Siegerland during the daytime as the 'soap man'. On his bicycle, he pedalled uphill and downhill from village to village, selling his home-made soap. Times were hard, and like so many others the family had lost everything they possessed.

At last the nocturnal experiments showed the desired results – and with the discovery of his first synthetic glue, Dr. Werner Stauf laid the foundation for rebuilding the family firm.

A whole new outlet market opened up with the construction industry. The breakthrough came in 1952, when the first parquet dispersion adhesives came onto the market. The introduction of STAUF Rapid M2A increased sales, business was under way, the transition was made. The STAUF company was the only glue factory in the Siegerland which had made the change from animal glue to synthetic adhesive.

Dr. Werner Stauf worked tirelessly to improve his products, and produced countless innovations along the way. The many patent specifications, issued by the German Patent Office in Munich, in the company archive testify to this. Among other products, the chemist developed a process for bonding polystyrene foam panels to metal sheets intended for roofing and in this way created a safe alternative to bonding with very flammable bitumen.

In 1828, founder of the firm, Eberhard Stauf, was already showing a desire to explore new paths, when he opened a glue boiling plant next to his leather tanning works. In the last almost 200 years STAUF Klebstoffwerk GmbH has developed from a small business to a modern factory. The foresight, vision and down-to-earth approach of previous generations has been retained by



the Stauf family, despite the huge amount of growth, and these qualities are firmly anchored in the company philosophy.

State-of-the-art technology and staff who think innovatively ensure that the high-quality adhesive systems for floors, walls and outdoor coverings are steadily improving. The reliable premium quality of the product portfolio is based on many years of experience and constant development of the range.

And speaking of 'state-of-the-art technology': over 20 years ago, STAUF introduced the first revolutionary silane-based parquet adhesives. Today this technology is utilised in the products STAUF SMP 950, SPU 460 and SPU 570. The outstanding properties of these products are that they contain as few plasticising substances as possible, have high shear strength and do not interact with plasticiser-sensitive subfloors such as mastic asphalt. The company's success story has arrived in the here and now: From preparing the subfloor to bonding, STAUF offers the complete range of products for floor installation.



**Dr. Werner Stauf**  
(1900–1987)

# STAUF TIMELINE

1828

## The origins

STAUF adhesives is born: the tanner Eberhard Stauf founds a glue boiling plant.



1952

## First adhesive

Discovery of the first dispersion adhesive for full spread bonding of parquet: STAUF Rapid-M2A.



1980s

## The eighties

After launching the WFR range in the 1970s, a universally applicable adhesive based on PVAc dispersion was developed at the end of the 1980s in the form of M2A-720.



1828

1862: Wilhelm Stauf

1900-1930: Ernst and Richard Stauf

1930: Dr. Werner Stauf

1961: Helmut Stauf

1998: Siegrid and Wolfgang Stauf

1999

1945 onwards

## Cold glue

After many decades of producing hide glue, STAUF develops the first adhesives made from synthetic raw materials. With the cold glue Viskos, STAUF enters the market for construction adhesives.



1990s

## The nineties

Development of the first single-component and first two-component polyurethane-based adhesive.



1828

2002

## Completely new

STAUF moves into the new company building in Wilnsdorf with a state-of-the-art, fully automatic production and dispensing system.



2002: Volker and Wolfgang Stauf

2020

## Upholding values

### 'Innovation based on tradition'

Still under family management, STAUF is now in its sixth generation on the way to the 200th anniversary.



2003

## 175 years old

STAUF celebrates its 175th anniversary. Germany's market leader for parquet adhesives looks back on a successful history and looks forward to a promising future.



2021

## 20 years silane

STAUF celebrates its next big anniversary – **20 years of competence in silane technology**. We are proud of our revolutionary, market-changing range of adhesives and are celebrating these in 2021.



2028

# SUBFLOOR PREPARATION

Subfloor priming .....	0-13
Subfloor levelling .....	15-18
Subfloor repair and refurbishment .....	19-20
Decoupling board and damping underlays .....	21

# PARQUET ADHESIVES

Reaction resin adhesives .....	25-29
Dispersion adhesives .....	30
Solvent-based adhesives .....	31
Reaction resin adhesives in a practical plastic tubular .....	32
Repair adhesives and wood glue .....	33

# FLOOR COVERING ADHESIVES

Bonding of design flooring .....	35
Bonding of PVC and CV flooring .....	36
Bonding of linoleum and textile flooring .....	37
Bonding of universal and rubber flooring .....	38-39
Universal bonding and conductive adhesives .....	40
Fixatives for floor coverings .....	41

# MOUNTING ADHESIVES

Universal bonding	43-44
Bonding on walls, stairs, floors and profiles	45-46

# TOOLS AND ACCESSORIES

Notched trowels	49-51
Subfloor preparation accessories	52
Accessories and cleaning agents	52-53
Work clothing	53

# SERVICE

Key to icons and technologies	56-57
Product overviews and properties – Subfloor preparation	58-61
Product overviews and properties – Parquet adhesives	62-63
Product overviews and properties – Floor covering adhesives	64-65
Product overviews and properties – Mounting adhesives	66
Index and contacts	68-69

# SUBFLOOR PREPARATION

**F**irm flooring underfoot is the result of the perfect sub-floor preparation, priming, filler, adhesive and floor covering. Only when all the components are perfectly balanced, do they work together to produce the best result and that includes the highest quality, safety and durability. Therefore we always look at individual products with the entire system in mind. None of our products leave our factory until it has been thoroughly tested for compatibility, so that your floor retains its first promise throughout its life.

An even subfloor is the most important requirement for perfect laying results. However, not every floor is in a condition in which a valuable floor covering can be laid on it without preparatory work. Often filling work, repairing of cracks in the screed or laying underlay sheeting is required.

Usually this is followed by priming. This serves as a bonding agent between subsurface and floor covering adhesive. Depending on the product it also reinforces the subsurface and regulates the absorbency of the subfloor material. The condition required is once more the best possible compatibility of the primer with the adhesive system being used, the type of levelling compound or the fixing. STAUF primers are the ideal complement to all components.

From priming through applying the levelling compound to the damping underlay – the individual components blend perfectly into the entire system. This means that nothing can go wrong.

## OPTIMUM SUBFLOOR PREPARATION FOR RELIABLE BONDING



Primers fulfil many important functions in floor construction. Their primary function is to ensure that the levelling compound and adhesives provide the best possible adhesion to the floor. On smooth, leak-tight subfloor they form an adhesive bridge and thus improve wetting capacity. On very absorbent subfloors they prevent absorbency. In both cases the use of adhesive or levelling compound is reduced. This saves time and money.

### PRIMING FLOORS CORRECTLY

A further task is the protection of the sub floor from water in the levelling compound. Because of the impregnation, no moisture penetrates the floor screed. On the other hand, primers block the sub floor where there is increased residual moisture and thus prevent severe damage to the floor covering. The primers also have the task of binding the residual dust. In this way they improve bond strength between subfloor and levelling compound or adhesive and ensure safety in the floor laying that you can rely on. STAUF primers are available as dispersion primers or priming resins.

The compatibility of the following compounds and adhesives makes them extremely efficient and offers the highest degree of protection from damage. STAUF VDP 130 can be universally used as a bonding agent: The quick-drying adhesive primer can be sparingly applied and is economical in use. When the job must be done quickly and there is high residual moisture in the subsurface STAUF VPU 155 S offers the best solution: This quick drying DPM is known for its very short drying time.

### PRIMER AS PROTECTION AGAINST HUMIDITY

Water has always been the constant enemy in floor construction. Because of its adhesion strength, water can rise to a level of 10 metres in narrow pipes. Since most construction materials have pores, any water present is drawn deep into the structural components and can cause a great deal of damage. In light of the increasing pressure for short construction periods, good protection against humidity becomes correspondingly more important. In order to reduce the damaging diffusion of moisture from the

subsurface, primers are used as protection against moisture. The primer creates a layer which makes it possible to construct a safe floor, despite residual moisture in the subfloor – and without any damage later.

Several STAUF primers, in each case coordinated with levelling compounds and types of adhesive, make it possible to construct a floor even on subfloors with residual moisture. We have the right product for every single problem floor. STAUF VPU 155 S, for example, applied with a trowel or roller, optimises the surface and also serves as a moisture barrier to protect against residual moisture up to a value of 92% KRL resp. 3.5 CM-%. The 2-component epoxy primer STAUF VEP 195 works on cement screed up to 98% KRL resp. 5 CM-% and on concrete up to 6 Gew.% as an ideal moisture barrier. STAUF WEP 180 is an all-rounder among the primers. High penetration capacity and the resulting excellent stabilisation, coupled with a moisture-barrier effect and very good adhesion to many subsurfaces with direct adhesion, make the primer indispensable in use.

# STAUF WEP 180

## RELIABLY STRENGTHENS UNSTABLE SUBSTRATES



STAUF WEP 180 is a multifunctional, solvent-free 2-component epoxy resin primer on dispersion basis. It is primarily used to stabilise unstable substrates and features a significant increase in strength due to its extremely high penetration capacity into mineral mortar systems. Due to its short drying time and stabilisation of the surface, the 'rescuing' of crumbling screeds is possible quickly and easily. It is also suitable for direct bonding with almost all reactive adhesives and, after being sprinkled with STAUF quartz sand or having an intermediate primer coat of STAUF VDP 160 applied, can be filled or plastered over.

STAUF WEP 180 is available as a 3.5 kg combination container consisting of a plastic bucket with a canister in the inlay, so that both components can be mixed opti-

mally and the primer can be applied without problems.

This makes the STAUF WEP 180 primer an economical all-rounder as well as a wide-ranging problem solver on today's construction sites.



### Epoxy resin

### STAUF WEP 180

#### Stabilising, vapour retarding primer for reliable priming of screeds

Multifunctional, solvent-free 2-component dispersion-based epoxy resin primer to meet the toughest requirements for stabilising of almost all porous, absorbent subfloors up to a residual moisture of 95% KRL resp. 4 CM-% in interior finishing work. Ideal for subfloors subject to very heavy loads. For use before direct bonding with reaction resin adhesives and before filling work.

#### Efficiency

- ✓ Problem solver for crumbling screeds
- ✓ Suitable for universal use
- ✓ Very economical

#### Technical

- ✓ Very good penetrating power
- ✓ Vapour barrier up to 95% KRL resp. 4 CM-%

#### Environmental

- ✓ Solvent-free – GISCODE RE 20
- ✓ Very low emissions – PLUS



#### Areas of use

- Absorbent and porous subfloors, e.g. cement and calcium sulphate screeds, concrete
- Less absorbent and sealed subfloors, e.g. mastic asphalt, ceramic, stone
- Old subfloors in the refurbishment sector
- Primer under reaction resin adhesives, e.g. under STAUF SPU, SMP and PUK adhesives

#### Consumption

On avg. 150-200 g/m<sup>2</sup> (1st coat)  
On avg. 200 g/m<sup>2</sup> (2nd coat)  
On avg. 100 g/m<sup>2</sup>  
(for details see technical data sheet)

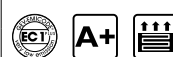
#### Coverage

On avg. 18-23 m<sup>2</sup>  
On avg. 18 m<sup>2</sup>  
On avg. 36-46 m<sup>2</sup>  
(1:1 with water)

Article no.  
111600

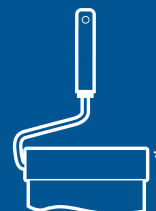
Packaging  
3.5 kg double-lidded container

Shipping unit  
52 (pallet)



# STABILISATION

**100 % PENETRATION DEPTH.** The problem solver for unstable substrates. Its extremely high penetration of up to 100% enables STAUF WEP 180 to considerably bolster the substrate's strength and so rescue crumbling screeds. It is ideal for application with a roller due to its viscosity. As a solvent-free, very low-emission product, STAUF WEP 180 is certified as GEV EMICODE® EC1<sup>PLUS</sup>.



\*STAUF ACCESSORIES: Application roller

# PROTECTION

**100% PROTECTION.** Being a genuine all-rounder, STAUF WEP 180 can also be used as a dispersion-based two-component epoxy resin primer on cement screeds containing up to 95% KRL resp. 4 CM-% residual moisture. It reliably seals pores and forms a moisture barrier.

100%

- High penetration depth
- Stabilises
- Protects
- Saves money
- Safety
- Practical

# SAVES MONEY

**100% COST-SAVING.** STAUF WEP 180 is very fast-drying and forms a film within about 2 hours. This saves valuable time. It is also known for its very low consumption (1:1 dilution with water, depending on the application) and so is particularly economical in use. It is suitable for direct bonding with almost all reactive adhesives and can be levelled quickly after sprinkling with sand. The pack size allows the two-component product to be mixed alone or diluted with water. No additional container is required.



- Multifunctional, 2-component epoxy resin dispersion primer
- Quick and easy stabilisation and priming
- Fast recoatability
- Very low-emission
- Protects against residual moisture

▶ **TUTORIAL CLIP**  
STAUF WEP 180



▶ YouTube

## STAUF D 54

Dispersion



### Adhesive and primer concentrate with very low consumption

Very economical adhesive and primer concentrate with a wide range of applications on floors, walls and ceilings in indoor areas. Creates a dust-free surface with even absorbency on highly absorbent subfloors, or serves as a powerful bonding course on sealed subfloors.

<b>Efficiency</b> <ul style="list-style-type: none"> <li>✓ Very economical</li> <li>✓ Easy application</li> <li>✓ Fast-drying</li> </ul>	<b>Technical</b> <ul style="list-style-type: none"> <li>✓ Binds to residual dust</li> <li>✓ Forms a bonding course on smooth, sealed subfloors</li> </ul>	<b>Environmental</b> <ul style="list-style-type: none"> <li>✓ Solvent-free – GISCODE D1</li> <li>✓ Very low emissions</li> </ul>
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#### Areas of use

- Priming before filling work, e.g. before XP 10, XP 20, GS
- Absorbent and porous subfloors, e.g. cement and calcium sulphate screeds, concrete and fillers
- Less absorbent and dense subfloors, e.g. sanded mastic asphalt, ceramic, stone

#### Consumption

On avg. 130 g/m<sup>2</sup>

#### Coverage

On avg. 77 m<sup>2</sup> (undiluted)  
On avg. 154 m<sup>2</sup> (1:1 with water)  
On avg. 240 m<sup>2</sup> (1:3 with water)

**Article no.**  
131030

**Packaging**  
10 kg plastic canister  
5 kg plastic canister

**Shipping unit**  
60 (pallet)  
120 (pallet)



## STAUF VDP 130

Dispersion



### Universal primer with short drying time

Solvent-free, universally applicable primer with low consumption. For reliable adhesion promotion on absorbent subfloors in indoor areas. Increases bonding strength between subfloor, levelling compound and adhesive and therefore improves reliability in floor construction.

<b>Efficiency</b> <ul style="list-style-type: none"> <li>✓ Fast-drying</li> <li>✓ Suitable for universal use</li> <li>✓ Can be diluted 1:1 with water*</li> </ul>	<b>Technical</b> <ul style="list-style-type: none"> <li>✓ Binds to residual dust</li> <li>✓ Improves wettability of the subfloor</li> </ul>	<b>Environmental</b> <ul style="list-style-type: none"> <li>✓ Solvent-free – GISCODE D1</li> <li>✓ Very low emissions – PLUS</li> </ul>
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#### Areas of use

- Absorbent and porous subfloors, e.g. cement and calcium sulphate screeds, concrete and fillers
- Priming under dispersion adhesives, e.g. M2A adhesives
- Priming before filling work, e.g. before SSP RAPID, XP 10, XP 20

\* When used under wood flooring adhesives

#### Consumption

On avg. 120 g/m<sup>2</sup>

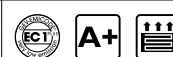
#### Coverage

On avg. 80 m<sup>2</sup>  
On avg. 160 m<sup>2</sup> (1:1 with water)

**Article no.**  
111150

**Packaging**  
10 kg plastic canister  
5 kg plastic canister

**Shipping unit**  
60 (pallet)  
120 (pallet)



## STAUF VDP 160

Dispersion



### Very economical adhesive and primer concentrate with damp proof membrane

Very economical adhesive and primer concentrate with a wide range of applications and a moisture-barrier effect for use on unheated cement screeds up to a residual moisture content of 3.0 CM%.

<b>Efficiency</b> <ul style="list-style-type: none"> <li>✓ Extremely economical</li> <li>✓ Easy application</li> <li>✓ Suitable for universal use</li> </ul>	<b>Technical</b> <ul style="list-style-type: none"> <li>✓ Can be used without sanding</li> <li>✓ Forms a bonding course on smooth, sealed subfloors</li> </ul>	<b>Environmental</b> <ul style="list-style-type: none"> <li>✓ Solvent-free – GISCODE D1</li> </ul>
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#### Areas of use

- Absorbent and porous subfloors, e.g. cement and calcium sulphate screeds, concrete and fillers
- Less absorbent and sealed subfloors, e.g. sanded mastic asphalt, ceramic, stone
- Adhesive primer before levelling on STAUF VEP 195 and STAUF WEP 180
- Vapour retarder on cement screeds with a residual moisture of up to 3.0 CM% without underfloor heating

#### Consumption

On avg. 100 g/m<sup>2</sup>  
On avg. 150 g/m<sup>2</sup> (as vapour retarder)

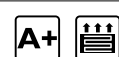
#### Coverage

On avg. 100 m<sup>2</sup>  
On avg. 67 m<sup>2</sup>  
On avg. 155 m<sup>2</sup> (1:1 with water)  
On avg. 245 m<sup>2</sup> (1:3 with water)

**Article no.**  
111130

**Packaging**  
10 kg plastic canister

**Shipping unit**  
60 (pallet)



## Polyurethanes

## STAUF VPU 155 S

### Fast-drying primer for reliable priming on screeds with residual moisture

Very fast-drying primer up to residual moisture content of 92% KRL resp. 3.5 CM-% on absorbent subfloors and for use before direct bonding with reaction resin adhesives and before filling work. Can also be used to stabilise highly absorbent and insufficiently firm subfloors.



<b>Efficiency</b> <ul style="list-style-type: none"> <li>✓ Very fast-drying</li> <li>✓ Suitable for universal use</li> <li>✓ No mixing necessary</li> </ul>	<b>Technical</b> <ul style="list-style-type: none"> <li>✓ Moisture-free</li> <li>✓ Flexible and tension reducing</li> <li>✓ Vapour barrier up to 92% KRL resp. 3.5 CM-%</li> </ul>	<b>Environmental</b> <ul style="list-style-type: none"> <li>✓ Solvent-free – GISCODE RU 1</li> <li>✓ Very low emissions – PLUS</li> </ul>	
<b>Areas of use</b> <ul style="list-style-type: none"> <li>■ Absorbent and porous subfloors, e.g. screeds as part of refurbishment work</li> <li>■ Moisture-sensitive subfloors, e.g. magnesite and xylolite screeds</li> <li>■ Old subfloors in the renovation sector</li> <li>■ Primer underneath reaction resin adhesives, e.g. under STAUF SPU, SMP and PUK adhesives</li> </ul>			<b>Consumption</b> On avg. 150 g/m <sup>2</sup> (1st coat) On avg. 250 g/m <sup>2</sup> (2nd coat)
			<b>Coverage</b> On avg. 73 m <sup>2</sup> (11 kg) On avg. 44 m <sup>2</sup> (11 kg)
<b>Article no.</b> 114310	<b>Packaging</b> 11 kg plastic canister 5 kg plastic canister	<b>Shipping unit</b> 60 (pallet) 120 (pallet)	

## Epoxy resin

## STAUF VEP 195

### Damp proof membrane for reliable priming of very moist subfloors

Universal two-component epoxy primer to meet the toughest demands for stabilisation of almost all porous, absorbent and sealed subfloors up to a residual moisture level of 98% KRL resp. 5 CM-% in interior finishing work. Ideal for subfloors subject to very heavy loads.



<b>Efficiency</b> <ul style="list-style-type: none"> <li>✓ Problem-solver for old subfloors</li> <li>✓ Suitable for universal use</li> </ul>	<b>Technical</b> <ul style="list-style-type: none"> <li>✓ Very good adhesive power</li> <li>✓ Very good penetrating power</li> <li>✓ Moisture-free</li> </ul>	<b>Environmental</b> <ul style="list-style-type: none"> <li>✓ Solvent-free – GISCODE RE 30</li> <li>✓ Very low emissions – PLUS</li> </ul>	
<b>Areas of use</b> <ul style="list-style-type: none"> <li>■ Absorbent and porous subfloors, e.g. cement and calcium sulphate screeds, concrete</li> <li>■ Less absorbent and sealed subfloors, e.g. mastic asphalt, ceramic, stone</li> <li>■ Moisture-sensitive subfloors, e.g. magnesite and xylolite screeds</li> <li>■ Old subfloors, e.g. waterproof levelling compound residues, PAH refurbishment</li> <li>■ Primer underneath reaction resin adhesives, e.g. under STAUF SPU, SMP and PUK adhesives</li> </ul>			<b>Consumption</b> On avg. 400 g/m <sup>2</sup> (1st coat) On avg. 250 g/m <sup>2</sup> (2nd coat)
			<b>Coverage</b> On avg. 25 m <sup>2</sup> (10 kg) On avg. 40 m <sup>2</sup> (10 kg)
<b>Article no.</b> 116120	<b>Packaging</b> 10 kg combination container 3 kg combination container	<b>Shipping unit</b> 45 (pallet) 120 (pallet)	

# TIPS & TRICKS

FROM STAUF  
TECHNICAL SERVICE

The absorbency of a mineral subfloor can be tested by dripping a drop of water onto it. If the drop disappears within three minutes, the subfloor has good absorbency.

More useful tips & tricks on:



**I CAN DO  
MORE NOW!**



**DON'T APPLY  
IT TOO THICK!**



**They can apply it thicker now:**

Our top levelling compounds keep their promise.  
And with the STAUF XP 20 you can now reach up to  
30 mm layer thickness in just one operation.

**STAUF**

seit 1828

[www.stauf.de](http://www.stauf.de)

## Cement

## STAUF XP 10

### Economical filler compound under floor coverings and multi-layer wood flooring

Self-levelling cement filler for smoothing, filling and levelling. Suitable for layer thicknesses up to 10 mm in a single step. For normal wear in residential and industrial areas, e.g. residential buildings and offices.

#### Efficiency

- ✓ Highly efficient
- ✓ Pumpable

#### Technical

- ✓ Very easy to sand
- ✓ Good level of strength
- ✓ Tension reducing
- ✓ Very good levelling

#### Environmental

- ✓ Low in chromate – GISCODE ZP 1
- ✓ Very low emissions – PLUS



#### Areas of use

- For the subsequent installation of textile and resilient floor coverings, e.g. textile coverings, linoleum, PVC/CV flooring
- For the subsequent installation of multi-layer parquet

#### Consumption

On avg. 1,500 g/m<sup>2</sup>  
per mm of layer thickness

#### Article no.

133040

#### Packaging

25 kg sack

#### Shipping unit

42 (pallet)



## Cement

## STAUF XP 20

### Low-dust filling and levelling compound for all coverings

Self-levelling cement filler for smoothing, filling and levelling. Suitable for layer thicknesses up to 20 to 30 mm with quartz sand as an additive in a single step. For heavy-duty use in residential, commercial and industrial areas, e.g. in commercial premises, shopping centres and industrial halls subjected to forklift truck loads. Ready for covering after just 6 hours.

#### Efficiency

- ✓ Fast-drying
- ✓ Suitable for universal use
- ✓ High coating thickness in a single step
- ✓ Pumpable

#### Technical

- ✓ Tension reducing
- ✓ Very good flow properties
- ✓ High strength
- ✓ Easy to sand

#### Environmental

- ✓ Low in chromate – GISCODE ZP 1
- ✓ Very low emissions – PLUS



#### Areas of use

- For the subsequent installation of parquet, e.g. solid parquet, multi-layer parquet
- For the subsequent installation of textile and elastic floor coverings, e.g. textile flooring, linoleum, PVC/CV flooring
- For the subsequent installation of end grain wood blocks

#### Consumption

On avg. 1,500 g/m<sup>2</sup>  
per mm of layer thickness

#### Article no.

133030

#### Packaging

25 kg sack

#### Shipping unit

42 (pallet)



## STAUF SSP RAPID

Cement



### Fast, high-strength filling and levelling compound for all coverings

Self-levelling cement compound for coating thicknesses of up to 10 mm or 20 mm with quartz sand as an additive in a single step. Very good flow properties. For floors with the maximum level of use in domestic, commercial and industrial settings, e.g. in shop units, shopping centres and industrial buildings where forklift trucks are used. Ready for covering after just 2 hours.

#### Efficiency

- ✓ Ready for covering in a short time
- ✓ Pumpable
- ✓ Suitable for universal use

#### Technical

- ✓ Very high strength
- ✓ Very good flow properties

#### Environmental

- ✓ Low in chromate – GISCODE ZP 1
- ✓ Very low emissions – PLUS

#### Areas of use

- For the subsequent installation of parquet, e.g. solid parquet, multi-layer parquet
- For the subsequent installation of wood block flooring
- For the subsequent installation of textile and elastic floor coverings, e.g. textile flooring, linoleum, PVC/CV flooring

#### Consumption

On avg. 1,500 g/m<sup>2</sup>  
per mm of layer thickness

**Article no.**  
133140

**Packaging**  
25 kg sack

**Shipping unit**  
42 (pallet)



## STAUF FZ

Cement



### Efficient thin screed for high coating thicknesses under floor coverings and parquet

Self-levelling thin screed for single-layer levelling and filling-in of subfloors. For high coating thicknesses of 3-40 mm or 60 mm with quartz sand as an additive in domestic and commercial indoor settings subject to normal use, e.g. in apartment and office buildings.

#### Efficiency

- ✓ Pumpable
- ✓ High coating thickness in a single step

#### Technical

- ✓ Tension reducing
- ✓ Good absorbency
- ✓ Very good flow properties

#### Environmental

- ✓ Low in chromate – GISCODE ZP 1
- ✓ Very low emissions – PLUS

#### Areas of use

- For the subsequent installation of parquet, e.g. multi-layer parquet and solid parquet
- For the subsequent installation of textile and elastic floor coverings, e.g. textile flooring, linoleum, PVC/CV flooring

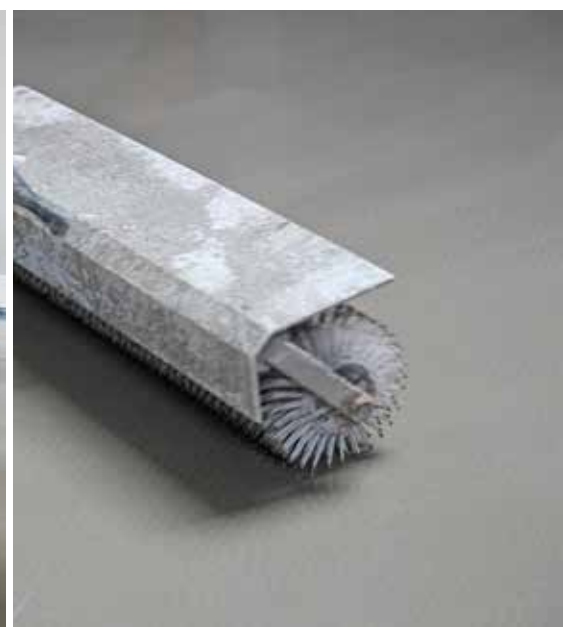
#### Consumption

On avg. 1,800 g/m<sup>2</sup>  
per mm of layer thickness

**Article no.**  
133130

**Packaging**  
25 kg sack

**Shipping unit**  
42 (pallet)



## Cement

## STAUFG RM

### Very fast-drying and stable filling/repair compound

Fine-grained repair mortar for patching and levelling in indoor areas. Can be tapered to zero in combination with quartz sand for coating thicknesses of up to 10 mm or 50 mm with quartz sand as an additive in a single step. Crack-free even at high layer thicknesses. For domestic, commercial and industrial settings with heavy use, e.g. in apartment buildings, office buildings and industrial buildings.



<b>Efficiency</b> <ul style="list-style-type: none"> <li>✓ Fast-drying</li> <li>✓ Suitable for universal use</li> <li>✓ Easy application</li> </ul>	<b>Technical</b> <ul style="list-style-type: none"> <li>✓ Tension reducing</li> <li>✓ High-strength</li> <li>✓ Low porosity</li> </ul>	<b>Environmental</b> <ul style="list-style-type: none"> <li>✓ Low in chromate – GISCODE ZP 1</li> <li>✓ Very low emissions – PLUS</li> </ul>
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#### Areas of use

- For levelling out and filling depressions, holes and uneven flooring
- Filling work on stairs and landings
- Levelling out height differences
- For thick-layer levelling work

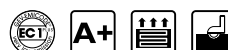
#### Consumption

On avg. 1,600 g/m<sup>2</sup>  
per mm of layer thickness

**Article no.**  
133110

**Packaging**  
25 kg sack

**Shipping unit**  
42 (pallet)



## Cement

## STAUFG TURBO FIX

### Quick-fix solution to patch unevenness in subfloors

Thanks to the wide spectrum of possible applications and excellent properties, almost all types of subfloor can be evened out. The repair compound bonds well to a wide range of different materials and its particularly fine consistency allows it to be applied as a wafer-thin layer. Irregularities can be evened out to a tenth of a millimetre.



<b>Efficiency</b> <ul style="list-style-type: none"> <li>✓ Can be used without primer</li> <li>✓ Can be used to smooth over old coverings</li> <li>✓ Very fast-drying</li> <li>✓ Ready for covering in a very short time</li> </ul>	<b>Technical</b> <ul style="list-style-type: none"> <li>✓ Smooth and pliable during application</li> <li>✓ Very fine-grained</li> <li>✓ Can be tapered down to zero</li> <li>✓ High strength, yet extremely flexible</li> </ul>	<b>Environmental</b> <ul style="list-style-type: none"> <li>✓ Low in chromate – GISCODE ZP 1</li> <li>✓ Very low emissions – PLUS</li> </ul>
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#### Areas of use

- On metal subfloors, e.g. checker plate
- Levelling of trowel marks and unevenness on mineral STAUFG levelling compounds
- Filling of joints in e.g. dry screeds, chipboard panels and OSB boards, wooden floorboards and STAUFG decoupling boards
- Filling of small cracks and holes, e.g. in combination with STAUFG glass-fibre fabric

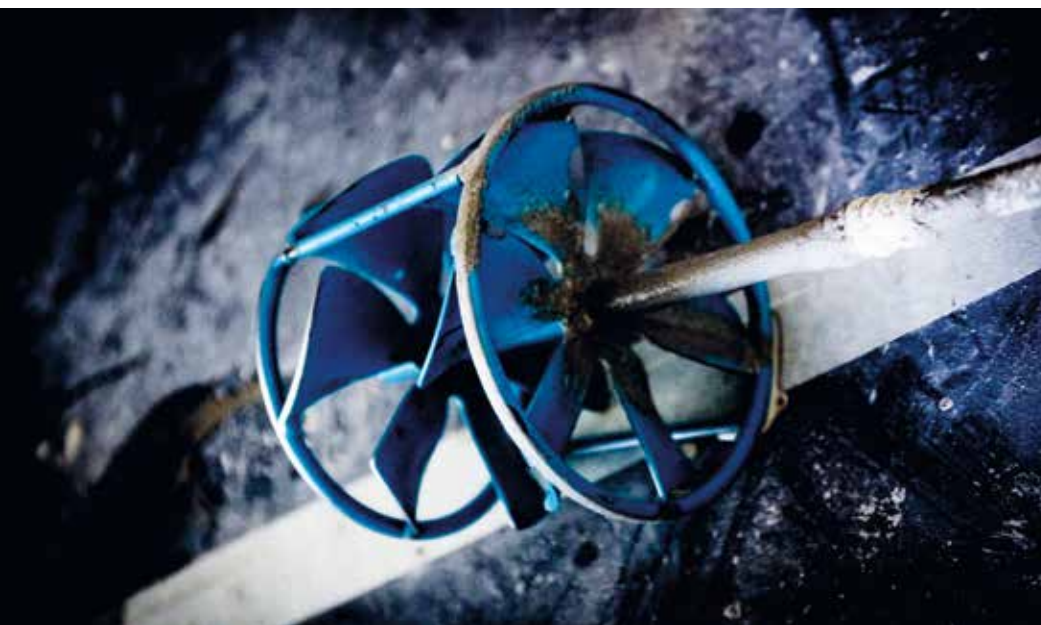
#### Consumption

On avg. 1,100 g/m<sup>2</sup>  
per mm of layer thickness

**Article no.**  
133250

**Packaging**  
4 x 4.5 kg paper sack

**Shipping unit**  
192 (paper sacks/pallet)



## STAU GS

Calcium sulphate



### Levelling compound under parquet and floor coverings

Self-levelling gypsum-based compound for smoothing, filling and levelling for coating thicknesses of up to 20 mm or 30 mm with quartz sand as an additive in a single step. On indoor subfloors that are suitable for floor installation. For domestic and commercial settings with moderately heavy use, e.g. in apartment buildings, nursery schools and offices.

#### Efficiency

- ✓ Very economical
- ✓ Versatile applications
- ✓ Pumpable

#### Technical

- ✓ Low surface porosity
- ✓ Tension reducing
- ✓ Very easy to sand
- ✓ Very good flow properties

#### Environmental

- ✓ Gypsum-based levelling compound – GISCODE CP 1
- ✓ Very low emissions – PLUS

#### Areas of use

- For the subsequent installation of textile and elastic floor coverings, e.g. textile flooring, linoleum, PVC/CV flooring
- For the subsequent installation of multi-layer parquet
- Especially suited to calcium sulphate (self-levelling) screeds, prefabricated screeds and mastic asphalt

#### Consumption

On avg. 1,500 g/m<sup>2</sup>  
per mm of layer thickness

**Article no.**  
133210

**Packaging**  
25 kg sack

**Shipping unit**  
42 (pallet)



## STAU GS BASIC

Calcium sulphate



### Levelling compound under elastic and textile floorings

Self-levelling gypsum-based compound for smoothing, filling and levelling for coating thicknesses of up to 10 mm in a single step. On indoor subfloors that are suitable for floor installation. For normal wear in residential and commercial settings, e.g. apartment buildings, nursery schools and offices.

#### Efficiency

- ✓ Very economical
- ✓ Pumpable

#### Technical

- ✓ Low surface porosity
- ✓ Tension reducing
- ✓ Very easy to sand
- ✓ Very good flow properties

#### Environmental

- ✓ Gypsum-based levelling compound – GISCODE CP 1
- ✓ Very low emissions – PLUS

#### Areas of use

- For the subsequent installation of textile and elastic floor coverings, e.g. textile flooring and PVC/CV flooring
- Especially suited to calcium sulphate (self-levelling) screeds, prefabricated screeds and mastic asphalt

#### Consumption

On avg. 1,500 g/m<sup>2</sup>  
per mm of layer thickness

**Article no.**  
133220

**Packaging**  
25 kg sack

**Shipping unit**  
42 (pallet)



## STAU GS STAND

Calcium sulphate



### Stable filling and repair compound

Fine-grained, stable gypsum-based compound for filling, smoothing and patching mineral – and especially gypsum-bound-subfloors. In combination with quartz sand for coating thicknesses of up to 10 mm or 30 mm with quartz sand as an additive. For domestic and commercial settings with normal use, e.g. in apartment and office buildings.

#### Efficiency

- ✓ Easy to work with
- ✓ Low consumption

#### Technical

- ✓ Tension reducing
- ✓ Low porosity

#### Environmental

- ✓ Gypsum-based levelling compound – GISCODE CP 1
- ✓ Very low emissions – PLUS

#### Areas of use

- For levelling out and filling depressions, holes and uneven flooring
- Filling work on stairs and landings
- Levelling out height differences
- Especially suited to calcium sulphate (floating) screeds, prefabricated screeds and mastic asphalt

#### Consumption

On avg. 1,300 g/m<sup>2</sup>  
per mm of layer thickness

**Article no.**  
133090

**Packaging**  
25 kg sack

**Shipping unit**  
42 (pallet)



## Two-component polyurethanes

## STAUF PU

### Flexible two-component PU levelling compound for applications subject to the maximum level of use and loading

Self-levelling compound for all coating thicknesses on heavily loaded and deformable subfloors. For sports-related, commercial and industrial settings with extremely heavy use, e.g. in industrial buildings where forklift trucks are used.



#### Efficiency

- ✓ Any coating thickness
- ✓ Ready for covering in a very short time

#### Technical

- ✓ No cracking or shrinkage
- ✓ Non-absorbent
- ✓ Moisture-free

#### Environmental

- ✓ Solvent-free – GISCODE RU 1
- ✓ Very low emissions – PLUS

#### Areas of use

- On old subfloors, e.g. on timber floors, chipboard, dry screed
- On metal subfloors, e.g. on steel, aluminium
- On deformable subfloors, e.g. on mastic asphalt, fine-graded asphalt concrete, rolled asphalt
- On moisture-sensitive subfloors, e.g. on magnesite and xylolite screeds

#### Consumption

On avg. 1,500 g/m<sup>2</sup>  
per mm of layer thickness

#### Article no.

114250

#### Packaging

10.8 kg plastic bucket  
1.71 kg plastic bottle

#### Shipping unit

44 (pallet)



## Soluble glass

## STAUF SGH 50

### Two-component casting and adhesive resin for repairing, bonding, filling and patching

Silicate resin for quick, force-closed repair of screed joints and cracks, for casting, filling and patching mineral subfloors, and for bonding metal profiles.



#### Efficiency

- ✓ Perfect for measuring out
- ✓ Can be mixed without stirring tool
- ✓ Extremely fast-setting
- ✓ Can be reworked after a very short time

#### Technical

- ✓ High-strength
- ✓ Can be used as a liquid or paste

#### Environmental

- ✓ Solvent-free
- ✓ Very low emissions – PLUS
- ✓ Low-odour

#### Areas of use

- Force-closing of cracks and joints in concrete and screeds
- Casting, filling and patching mineral subfloors, e.g. screeds and concrete
- Bonding metal profiles and nailing strips, e.g. onto concrete, stone and ceramic

#### Consumption

Dependent on the width and depth of cracks or joints, with a crack width of 5 mm and crack depth of 5 cm, approx. 3 to 4 running metres per unit.

#### Article no.

116700

#### Packaging

Hardener: 480 g plastic bottle  
Resin: 320 g plastic bottle

#### Shipping unit

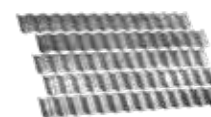
12 (box)  
12 (box)



## STAUF FLOOR BRACKETS

### Joint connectors for insertion into screed cracks

Improvement of force closure for closing cracks.



#### Areas of use

- Needed for closing cracks with STAUF SGH 50

#### Consumption

One bracket every 20 cm

#### Article no.

161151  
161150

#### Packaging

100 (box)  
1000 (box)

**SO THAT  
EVERYTHING  
GOES SMOOTHLY**  
—  
**OUR ACCESSORIES**



Disposable stirrer  
see Accessories, p. 52



Mixing bucket, 30 litres  
see Accessories, p. 52



Reinforcing fibres  
see p. 20



Expansion strips  
see Accessories, p. 52

## STAUF REINFORCING FIBRES



### Reinforcement of self-levelling compounds

The incorporation of STAUF reinforcing fibres increases the tensile strength of the levelling compound.

#### Areas of use

- On wooden plank floors, false-floor systems and prefabricated screeds

#### Consumption

On avg. 1 bag (250 g) for  
25 kg filler (1 sack)

#### Article no.

110150

#### Packaging

0.25 kg plastic bag

#### Shipping unit

50 (bucket)



## STAUF QUARTZ SAND



### Surfacing and drawing-out of primer and levelling compound

For surfacing reaction-resin primers or for drawing out levelling compounds.  
Grain size of 0.4–0.8 mm.

#### Areas of use

- Sanding of reaction-resin primers and cracks that have been filled with casting resin
- Drawing-out of levelling compounds

#### Consumption

On avg. 2.5–3 kg for sanding  
Up to 12 kg for 25 kg of levelling compound

#### Article no.

113200

#### Packaging

25 kg plastic sack

#### Shipping unit

40 (pallet)



## STAUF GLASSFIBRE FABRIC



### Easy and tidy refurbishment of unstable and extremely cracked subfloors

Highly tear-resistant reinforcement and refurbishment fabric made of alkali-resistant glass-fibre strands for bridging problematic cracks and construction joints with a width of up to 5 mm, for use on old subfloors. Minimises odour, noise and dust nuisance and saves time and money compared to other renovation methods.

#### Efficiency

- ✓ Possible alternative to resinous closing of cracks
- ✓ Easy to work with

#### Technical

- ✓ Bridges cracks
- ✓ Dissipates stress
- ✓ Very high tensile strength

#### Environmental

- ✓ No hazardous substances
- ✓ Not subject to labelling requirements

#### Areas of use

- For construction joints, shrinkage cracks and separation cracks
- Reinforcement of unstable floors
- For transitions between different subfloors and when screeds are added

#### Coverage

40 m<sup>2</sup>

#### Article no.

110171

#### Dimension

50 x 0.80 m

#### Shipping unit

33 (pallet)



## STAUF POLYESTER FELT

### Decoupling felt for low-stress parquet installation

Polyester felt for decoupling the subfloor and for reliable stress relief under bonded parquet in indoor areas.



<b>Efficiency</b> ✓ Quick installation ✓ Easy to cut	<b>Technical</b> ✓ Bridges cracks ✓ Tension reducing ✓ Low installation height	<b>Environmental</b> ✓ Very low emissions
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<b>Areas of use</b> <ul style="list-style-type: none"> <li>For mechanical decoupling of the subfloor under parquet</li> <li>On critical existing subfloors with stuck-on residues of adhesives or levelling compounds</li> </ul>	<b>Coverage</b> 25 m <sup>2</sup>
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<b>Article no.</b> 110120	<b>Dimension</b> 25 x 1 m	<b>Shipping unit</b> 20 (pallet)	
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## STAUF COMFORT PAD

### Elastic CE-approved damping underlay under floor coverings and parquet

Glue-on damping underlay made of PU-bound cork/foam granulate for indoor flooring. Elastic underlay with coarse, vapour-permeable structure. Available in different thicknesses for various installation heights and where a high level of home and walking comfort is required.



<b>Efficiency</b> ✓ Easy to install	<b>Technical</b> ✓ Permeable ✓ Heat-insulating ✓ Footfall sound insulation	<b>Environmental</b> ✓ Very low emissions – PLUS
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<b>Areas of use</b> <ul style="list-style-type: none"> <li>For footfall sound insulation under parquet and floor coverings</li> <li>As mechanical decoupling for low-stress parquet installation</li> </ul>	<b>Coverage</b> 30.0 m <sup>2</sup> (110290) 20.0 m <sup>2</sup> (110330) 12.5 m <sup>2</sup> (110350)	 CE A+
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<b>Article no.</b> 110290 110330 110350	<b>Dimension</b> 30 x 1 m 20 x 1 m 12.5 x 1 m	<b>Shipping unit</b> 11 (pallet) 11 (pallet) 8 (pallet)	<b>Thermal resistance</b> 0.03 m <sup>2</sup> K/W 0.04 m <sup>2</sup> K/W 0.07 m <sup>2</sup> K/W	<b>Installation height</b> 2 mm 3 mm 5 mm	<b>Footfall sound insulation</b> acc. to installation height: 16 - 25 dB
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## STAUF DECOUPLING BOARD

### Decoupling and footfall-sound insulation board for installation under parquet and laminate flooring

Decoupling board for a pressure-resistant covering with bonding to the subfloor and bonded parquet. For relief of tensile and shear stresses arising between the parquet and subfloor. Increases home and walking comfort. Available in different thicknesses for different installation heights.



<b>Efficiency</b> ✓ Easy to install	<b>Technical</b> ✓ Stress relief ✓ High bonding strength ✓ Can be coated	<b>Environmental</b> ✓ Very low emissions
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<b>Areas of use</b> <ul style="list-style-type: none"> <li>As mechanical decoupling for low-stress parquet installation</li> <li>Very reliable installation on unstable subfloors</li> <li>Can also be bonded with elastic and textile coverings after levelling</li> </ul>	<b>Shipping unit</b> 4 mm: 200 (pallet) 9 mm: 110 (pallet) 15 mm: 60 (pallet)	<b>Coverage</b> 0.6 m <sup>2</sup>	 U A+
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<b>Article no.</b> 110130 110140 110160	<b>Dimension</b> 0.6 x 1 m 0.6 x 1 m 0.6 x 1 m	<b>Thermal resistance</b> 0.04 m <sup>2</sup> K/W 0.09 m <sup>2</sup> K/W 0.19 m <sup>2</sup> K/W	<b>Installation height</b> 4 mm 9 mm 15 mm	<b>Footfall sound insulation</b> up to 13 dB (according to ISO 140-8)
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# 20 YEARS COMPETENCE IN SILANE TECHNOLOGY

We at STAUF are convinced that the importance of SMP and SPU adhesives will continue to grow in the coming years. On the basis of the over 20-year success story of these two technologies in our company, we now take the opportunity to look more closely at them. To this end, we will first look back to the origins before focusing on the latest silane developments at STAUF.

## OCCUPATIONAL SAFETY AS THE CENTRAL THEME

The technical guidelines for hazardous materials 610 (TRGS 610) describes substitute substances for solvent-based primers and adhesives used in flooring for buildings. The goal was and is to protect workers when handling hazardous substances as much as possible. Between 60 and 90 per cent of the solvent in adhesive is volatile and emitted to the environment, i.e. it poses a health concern. Until 1994 though, solvent adhesives were still the dominant type of adhesive on the market. As an alternative, two-component PU and epoxy resin adhesives were being developed for the industry, but these did not offer fully acceptable substitutes for solvents. The development of so-called SMP technology (see page 63) and the production of elastic 1-component polyurethane adhesives in the year 2000 offered a decisive advance, especially in regard to occupational safety: both technologies launched at approximately the same time.



»Silane technology -  
20 years of success  
history, made  
by STAUF.«

VOLKER STAUF, CEO  
STAUF KLEBSTOFFWERK GMBH

## STAUF AS A PIONEER

Over 20 years ago, STAUF launched an adhesive technology in the industry that has fundamentally remained unchanged to this day. However, the individual mechanics of the silane-based SMP and SPU adhesives are very different. The parquet adhesive STAUF MULTILAYER for example has an elastic mechanism, is friendly to the subfloor and is suitable for all types of multi-layer parquet. STAUF SMP 930, SMP 950 and SPU 555 have well-balanced hard elastic mechanical properties, culminating in products such as STAUF SPU 460 and SPU 570. Due to the well-balanced mechanism, the subfloor is sensibly protected, the parquet does not tear off with the subfloor and the risk of dimensional changes is reduced – an indispensable product characteristic particularly for bonding solid wood floorboards. As a rule, no primer is needed. Floor installers can dispense with a primer when subfloors are principally suitable for wood flooring and ready for covering, e.g. mineral subfloors such as cement and calcium sulphate screeds or particle boards. If the residual moisture is too high, STAUF SMP 950 or SPU 570 can also be used as a primer and adhesive in one. Thus only one work step is needed instead of three.

STAUF SMP 950, SPU 460 and SPU 570, in particular, are milestones in the over 20-year STAUF SMP/SPU success story. All three are patented in terms of strength and/or mostly require no plasticising substances (and are therefore highly shear resistant), and do not interact with plasticiser-sensitive subfloors such as mastic asphalt.

## LOW-EMISSION, READY FOR USE, WATER-FREE

All STAUF SMP and SPU adhesives are classified as very low emission (EC1<sup>PLUS</sup>) according to the GEV seal. The ready-to-use, one-component products are water-free and therefore also suitable for wood types that are sensitive to swelling. The partly good to very good initial adhesion of the adhesives is an advantage, especially for installation patterns that require a laying strip. STAUF SMP 950 has the best adhesion behaviour to a wide range of building materials and is ideal for bonding RE and WE-type wood block flooring due to its well-balanced mechanical properties. All types of adhesive are also characterised by a high level of durability and a long life.

The 'silane success story' has also impacted parquet bonding; the first silane parquet adhesive, at that time STAUF SMP 960, was launched on the market over 20 years ago, and within a very short period managed to transform both the field of parquet adhesives at STAUF and parquet bonding in general. With silane adhesives from STAUF, many millions of square metres of parquet have been installed reliably and damage-free – and there is no end in sight.



# PARQUET ADHESIVES

**S**olid wood floorboards lend a room the feeling of warmth and visibly make it more comfortable. Natural materials create a warm pleasant living and working atmosphere. As part of a discerning life-style culture, parquet floors combine traditional and modern – mind you, laying this special floor covering poses a particular challenge. The high-quality material is sensitive to temperature and humidity and must be able to withstand a variety of pressures.

The adhesive technologies developed by STAUF guarantee the reliable and durable combination of underfloor and parquet floor. Our products are compatible with the various types of parquet and wood to the very last detail. That is our strength. In this we are relying not only on our experience of almost 200 years in manufacturing adhesive, but we are constantly investing in research and development into new technologies. That makes STAUF a reliable partner when it comes to keeping parquet durable, safe and compatible with humans and the

environment. Whether thermoplastic, elastic or shear-resistant, STAUF adhesives are renowned for their excellent durability. We help to give parquet floors a long life with suitable user-friendly products, which produce a highly economical result. In this way our parquet adhesives blend perfectly into the entire system of the broad range of STAUF products.

Over 20 years ago, we introduced the first STAUF silane parquet adhesive – and two decades later we continue to pass on our knowledge, expertise and experience with this still 'young' technology to our customers and continuously work on the further development of SMP and SPU adhesives for the best possible parquet bonding.

# STAUF SPU 570

## BONDING LARGE SOLID BOARDS IN AN ECO-FRIENDLY MANNER



Our SPU parquet adhesives offer an excellent combination of outstanding cohesion and very good adhesion. They are the ideal combination of the advantages of PU technology, including its versatility and high stability, with those of the non-classified silane cross-linking, and they combine cohesion with balanced elasticity.

Silane technology makes strong bonding possible on a variety of substrates. Our SPU parquet adhesives are graded into the favourable GISCOD Class RS 10. As perfectly adequate substitutes for solvent based parquet adhesives, they make a valuable contribution to improving workplace hygiene and also reduce greenhouse gas emissions.

The top product of the user-friendly reaction resin parquet adhesives from STAUF is SPU 570. The shear-resistant adhesive is suitable for all adhesive purposes, which were only previously possible with hard 1-component and 2-component PU adhesives.

In addition, SPU 570 can also be used for all solid wood or multi-layered types of parquet. The moisture-blocking effect of the adhesive is achieved by a 'multi-stage' application of adhesive using the STAUF toothed trowel No. 12. On cement screeds with up to 95% KRL resp. 4.0 CM%, and concrete subfloors with up to 6.0 CM% moisture content, parquet can be directly bonded with STAUF SPU 570.

### Silane-terminated polyurethanes

### STAUF SPU 570

#### For bonding extremely large solid boards and all common types of parquet and protecting them from residual moisture in an eco-friendly manner



For all common types of parquet. Strength values comparable to those of two-component PU adhesives. Holds, in particular, very large board formats in shape. The correct level of elasticity ensures reliable bonding to the subfloor in the event of changes in the indoor climate. Applying a closed layer of adhesive with trowel no. 12 protects against damage due to rising residual moisture.



#### Efficiency

- ✓ Damp proof membrane, primer and adhesive in a single step
- ✓ Can be used without interactions on mastic asphalt or old subfloors
- ✓ Time saving due to rapid setting

#### Technical

- ✓ Hard adhesive (ISO 17178)
- ✓ Very good dimensional consistency of large-format timber
- ✓ Very high shear strength
- ✓ Regulates rising residual moisture
- ✓ Excellent groove formation
- ✓ Patented

#### Environmental

- ✓ Solvent-free – GISCOD RS 10
- ✓ Very low emissions – PLUS
- ✓ Not subject to mandatory labelling
- ✓ Without any plasticising ingredients
- ✓ Free of isocyanates – especially user-friendly

#### Areas of use

- Solid boards
- Lamp parquet
- Strip parquet
- Vertical-finger parquet
- Multi-layer parquet
- Mosaic parquet
- Veneered floor coverings subject to manufacturer approval

#### Consumption

TKB B7	On avg. 1,000 g/m <sup>2</sup>
TKB B9	On avg. 1,150 g/m <sup>2</sup>
TKB B15	On avg. 1,300 g/m <sup>2</sup>
No. 12	On avg. 1,900 g/m <sup>2</sup>
No. 14	On avg. 1,500 g/m <sup>2</sup>

#### Coverage

On avg. 18 m <sup>2</sup> (18 kg)
On avg. 16 m <sup>2</sup> (18 kg)
On avg. 14 m <sup>2</sup> (18 kg)
On avg. 10 m <sup>2</sup> (18 kg)
On avg. 12 m <sup>2</sup> (18 kg)

#### Article no.

126180

#### Packaging

18 kg plastic bucket  
8 kg plastic bucket

#### Shipping unit

33 (pallet)  
72 (pallet)



## STAUF SMP 950

Silane-modified polymers



### For bonding parquet and wood block flooring and protecting them from residual moisture in an eco-friendly manner

Suitable for numerous types of parquet. Boards with a width-to-thickness ratio of 7:1 and wood block flooring are its speciality. A balanced degree of elasticity ensures a secure bond with the subfloor in the event of changes in the indoor climate. Applying a closed layer of adhesive with trowel no. 12 protects against damage due to rising residual moisture.

#### Efficiency

- ✓ Damp proof membrane, primer and adhesive in a single step
- ✓ Low consumption
- ✓ Time-saving due to rapid setting

#### Technical

- ✓ Hard elastic adhesive (ISO 17178)
- ✓ Very good dimensional consistency of solid boards (max. 7:1)
- ✓ Regulates rising residual moisture
- ✓ Excellent groove formation
- ✓ Can be used without interactions on mastic asphalt or old subfloors
- ✓ Fast setting
- ✓ Patented

#### Environmental

- ✓ Solvent-free – GISCODE RS 10
- ✓ Very low emissions – PLUS
- ✓ Without any plasticising ingredients
- ✓ Not subject to mandatory labelling

#### Areas of use

- Wood block flooring, RE and WE
- Solid boards (7: 1), wider boards on request
- Multi-layer parquet
- Strip parquet

- Also suitable for
- Vertical-finger parquet, min. 16 mm thick
  - Lamparquet, uncoated, up to 55 x 250 mm, min. 10 mm thick
  - Mosaic parquet
  - Veneered floor coverings subject to manufacturer approval

#### Consumption

TKB B7 On avg. 900 g/m<sup>2</sup>  
TKB B9 On avg. 1,050 g/m<sup>2</sup>  
TKB B15 On avg. 1,200 g/m<sup>2</sup>  
No. 12 On avg. 1,900 g/m<sup>2</sup>

#### Coverage

On avg. 20 m<sup>2</sup> (18 kg)  
On avg. 17 m<sup>2</sup> (18 kg)  
On avg. 15 m<sup>2</sup> (18 kg)  
On avg. 10 m<sup>2</sup> (18 kg)

Article no.  
125120

Packaging  
18 kg plastic bucket

Shipping unit  
33 (pallet)



## STAUF SMP 930

Silane-modified polymers



### Efficient bonding of solid boards and multi-layer parquet

With its balanced elasticity, SMP 930 is particularly ideal for subfloor-friendly bonding work of solid boards and multilayer parquet. Even floorboards with a width-thickness ratio of 7:1 can be bonded reliably.

#### Efficiency

- ✓ Time-saving thanks to primer-free application

#### Technical

- ✓ Hard elastic adhesive (ISO 17178)
- ✓ Tension reducing
- ✓ Adhesive residues can be removed easily
- ✓ Quick setting
- ✓ Excellent ridge formation
- ✓ No wood swelling

#### Environmental

- ✓ Solvent-free – GISCODE RS 10
- ✓ Very low emissions – PLUS
- ✓ Not subject to mandatory labelling

#### Areas of use

- Solid boards (up to max. 7:1)
- Strip parquet
- Multi-layer parquet

- Also suitable for
- Vertical-finger parquet, min. 16 mm thick
  - Mosaic parquet

#### Consumption

TKB B7 On avg. 1,050 g/m<sup>2</sup>  
TKB B9 On avg. 1,150 g/m<sup>2</sup>  
TKB B15 On avg. 1,300 g/m<sup>2</sup>

#### Coverage

On avg. 17 m<sup>2</sup> (18 kg)  
On avg. 16 m<sup>2</sup> (18 kg)  
On avg. 14 m<sup>2</sup> (18 kg)

Article no.  
125140

Packaging  
18 kg plastic bucket

Shipping unit  
33 (pallet)



## Silane-terminated polyurethanes

## STAUF SPU 460



### Reliable bonding of parquet and solid boards without priming

Universal adhesive suitable for nearly all types of parquet. Its strength makes it ideal for solid boards with a width-to-thickness ratio of up to 10:1. Bonding can be carried out without additional priming.



<b>Efficiency</b> <ul style="list-style-type: none"> <li>✓ Primer and adhesive in a single step</li> </ul>	<b>Technical</b> <ul style="list-style-type: none"> <li>✓ Hard adhesive (ISO 17178)</li> <li>✓ Very good dimensional consistency of medium- and large-format timber</li> <li>✓ High shear strength</li> <li>✓ Excellent ridging</li> <li>✓ Patented</li> </ul>	<b>Environmental</b> <ul style="list-style-type: none"> <li>✓ Solvent-free – GISCODE RS 10</li> <li>✓ Very low emissions – PLUS</li> <li>✓ Not subject to mandatory labelling</li> <li>✓ Isocyanate-free – particularly user-friendly</li> </ul>
<b>Areas of use</b> <ul style="list-style-type: none"> <li>▪ Solid boards (up to max. 10:1)</li> <li>▪ Wood strip flooring</li> <li>▪ Multi-layer parquet</li> </ul>	Also suitable for <ul style="list-style-type: none"> <li>▪ Vertical-finger parquet, min. 16 mm thick</li> <li>▪ Lamparquet, up to 55 x 250 mm, min. 10 mm thick</li> <li>▪ Mosaic parquet</li> </ul>	<b>Consumption</b> <p>TKB B7 On avg. 1,100 g/m<sup>2</sup> TKB B9 On avg. 1,200 g/m<sup>2</sup> TKB B15 On avg. 1,350 g/m<sup>2</sup></p>
		<b>Coverage</b> <p>On avg. 16 m<sup>2</sup> (18 kg) On avg. 15 m<sup>2</sup> (18 kg) On avg. 13 m<sup>2</sup> (18 kg)</p>
<b>Article no.</b> 126110	<b>Packaging</b> 18 kg plastic bucket 8 kg plastic bucket	<b>Shipping unit</b> 33 (pallet)

## Silane-terminated polyurethanes

## STAUF MULTILAYER



### Elastic single-component hybrid adhesive according to ISO 17178 for parquet

Due to its elasticity and mechanical properties, STAUF MULTILAYER is particularly suitable for all common types of multi-layer parquet. Bonding can be carried out without additional priming.



<b>Efficiency</b> <ul style="list-style-type: none"> <li>✓ Time-saving thanks to primer-free application</li> <li>✓ For universal use for multi-layer parquet</li> </ul>	<b>Technical</b> <ul style="list-style-type: none"> <li>✓ Elastic adhesive according to ISO 17178</li> <li>✓ Low-stress</li> <li>✓ Adhesive residues can be easily removed</li> <li>✓ Very easy to spread</li> <li>✓ No wood swelling</li> </ul>	<b>Environmental</b> <ul style="list-style-type: none"> <li>✓ Solvent-free – GISCODE RS 10</li> <li>✓ Very low emissions – PLUS</li> </ul>
<b>Areas of use</b> <ul style="list-style-type: none"> <li>▪ Multi-layer parquet</li> </ul>		<b>Consumption</b> <p>TKB B9 On avg. 1,150 g/m<sup>2</sup></p>
		<b>Coverage</b> <p>On avg. 16 m<sup>2</sup></p>
<b>Article no.</b> 129130	<b>Packaging</b> 18 kg plastic bucket	<b>Shipping unit</b> 33 (pallet)



## STAUF SPU 555

Silane-terminated polyurethanes



### Fast reliable bonding of parquet

Thanks to its extremely rapid setting process, STAUF SPU 555 parquet can be loaded or even sanded after just 4 hours. This means you are always on the safe side in time-critical projects. The adhesive is suitable for many types of parquet. It even allows reliable bonding of solid boards up to a ratio of 10:1.



#### Efficiency

- ✓ Time-saving thanks to primer-free application
- ✓ Time-saving thanks to very fast setting

#### Technical

- ✓ Hard elastic adhesive (ISO 17178))
- ✓ Very good dimensional consistency of medium- and large-format timber
- ✓ High shear strength

#### Environmental

- ✓ Solvent-free – GISCODE RS 10
- ✓ Very low emissions – PLUS
- ✓ Not subject to mandatory labelling
- ✓ Isocyanate-free – particularly user-friendly

#### Areas of use

- Solid boards (10:1)
- Wood strip flooring
- Multi-layer parquet

Also suitable for

- Vertical-finger parquet, min. 16 mm thick
- Lamparquet, up to 55 x 250 mm, min. 10 mm thick
- Mosaic parquet

#### Consumption

TKB B7 On avg. 1,100 g/m<sup>2</sup>  
TKB B9 On avg. 1,200 g/m<sup>2</sup>  
TKB B15 On avg. 1,350 g/m<sup>2</sup>

#### Coverage

On avg. 16 m<sup>2</sup>  
On avg. 15 m<sup>2</sup>  
On avg. 13 m<sup>2</sup>

#### Article no.

126240

#### Packaging

18 kg plastic bucket

#### Shipping unit

33 (pallet)



## STAUF PUK 455

Polyurethanes

### Universal single-component adhesive for all common types of parquet

Supplied ready-for-use, STAUF PUK 455 exhibits the strength of a two-component PU system. Due to this and its easy foaming properties, it offers a high level of reliability, especially with large solid board types or difficult subfloors. Guaranteed economical due to low usage.



#### Efficiency

- ✓ Low consumption
- ✓ For universal use
- ✓ Ready to use
- ✓ No stirrer contamination

#### Technical

- ✓ Hard adhesive (ISO 17178)
- ✓ High shear strength
- ✓ Ready to use
- ✓ Slightly foaming

#### Environmental

- ✓ Solvent-free – GISCODE RU 1
- ✓ Very low emissions – PLUS

#### Areas of use

- Solid boards
- Strip parquet
- Vertical-finger parquet

Also suitable for

- Lamparquet
- Multi-layer parquet
- Mosaic parquet

#### Consumption

TKB B7 On avg. 850 g/m<sup>2</sup>  
TKB B9 On avg. 950 g/m<sup>2</sup>  
TKB B15 On avg. 1,150 g/m<sup>2</sup>  
No. 14 On avg. 1,500 g/m<sup>2</sup>

#### Coverage

On avg. 18 m<sup>2</sup>  
On avg. 16 m<sup>2</sup>  
On avg. 13 m<sup>2</sup>  
On avg. 10 m<sup>2</sup>

#### Article no.

127120

#### Packaging

15 kg plastic bucket

#### Shipping unit

33 (pallet)



**TIPS & TRICKS**  
FROM STAUF  
TECHNICAL SERVICE

To avoid visually noticeable marks it is recommended to sort and grade industrial parquet (vertical-finger parquet) before bonding. Light, dark, rustic and less rustic elements for installation should not result in connected, large 'visual zones' after installation.

More useful tips & tricks on:



## Two-component polyurethanes

## STAUF PUK 446

### Reliable bonding of all types of parquet and solid boards on many common subfloors

With its hard-elastic adhesive grooving and excellent bonding properties, the two-component adhesive STAUF PUK 446 offers a high level of reliability. Especially for difficult types of parquet such as solid parquet, solid boards and for difficult subfloors. STAUF PUK 446 is thus suitable for bonding all common parquet types on many subfloors.



#### Efficiency

- ✓ For universal use
- ✓ Long processing time

#### Technical

- ✓ Hard adhesive (ISO 17178)
- ✓ Fast-setting
- ✓ Very high shear strength
- ✓ Very easy to spread
- ✓ Very good ridge formation
- ✓ Col. vers. available for dark timber types

#### Environmental

- ✓ Solvent-free – GISCODE RU 1
- ✓ Very low emissions – PLUS

#### Areas of use

- Lamparquet
- Strip parquet
- Vertical-finger parquet
- Mosaic parquet
- Solid boards

Also suitable for

- Multi-layer parquet

#### Consumption

TKB B7	On avg. 1,050 g/m <sup>2</sup>
TKB B9	On avg. 1,150 g/m <sup>2</sup>
TKB B15	On avg. 1,400 g/m <sup>2</sup>

#### Coverage

On avg. 8.5 m <sup>2</sup>
On avg. 8 m <sup>2</sup>
On avg. 6.5 m <sup>2</sup>

#### Article no.

124220

#### Packaging

8.01 kg plastic bucket  
0.89 kg plastic bottle

#### Shipping unit

65 (pallet)



## Two-component polyurethanes

## STAUF PUK 447

### Secure bonding of wood flooring without priming

Two-component adhesive suitable for many types of parquet. Owing to its strength and hard-elastic mechanical properties, it is ideal for many types of solid parquet. Bonding can also be carried out without additional priming.



#### Efficiency

- ✓ Long processing time

#### Technical

- ✓ Hard adhesive (ISO 17178)
- ✓ Very good dimensional consistency of medium-and large-format timber
- ✓ High shear strength
- ✓ Very easy to spread

#### Environmental

- ✓ Solvent-free – GISCODE RU 1
- ✓ Very low emissions – PLUS

#### Areas of use

- Lamparquet
- Strip parquet
- Vertical-finger parquet
- Mosaic parquet

Also suitable for

- Multi-layer parquet
- Solid boards

#### Consumption

TKB B7	On avg. 1,100 g/m <sup>2</sup>
TKB B9	On avg. 1,250 g/m <sup>2</sup>
TKB B15	On avg. 1,450 g/m <sup>2</sup>

#### Coverage

On avg. 9 m <sup>2</sup>
On avg. 7.5 m <sup>2</sup>
On avg. 6.5 m <sup>2</sup>

#### Article no.

124280

#### Packaging

8.9 kg plastic bucket  
0.89 kg plastic bottle

#### Shipping unit

65 (pallet)



▶ TUTORIAL CLIP  
STAUF SPU 570



YouTube

## STAUF M2A 720

Dispersion

### Eco-friendly adhesive for low-swelling parquet

The use of STAUF M2A 720 is particularly worthwhile in projects with a focus on cost effectiveness and the health of inhabitants and users. It is free of solvents and impresses with its optimum final strength. The low usage guarantees economical working.



#### Efficiency

- ✓ Low consumption

#### Technical

- ✓ Hard adhesive (ISO 17178)
- ✓ Very good initial adhesion
- ✓ Low-water
- ✓ Very easy to spread
- ✓ Excellent groove formation
- ✓ Low swelling

#### Environmental

- ✓ Solvent-free – GISCODE D 1
- ✓ Very low emissions – PLUS

#### Areas of use

- Vertical-finger parquet, min. 16 mm thick
- Mosaic parquet

Also suitable for

- Multi-layer parquet, individual strips, max. 70 x 600 mm
- Lamparquet, uncoated, up to 55 x 250 mm, min. 10 mm thick
- Strip parquet, uncoated, max. 75 x 600 mm, min. 14 mm thick; timber types with pronounced swelling, min. 22 mm thick

#### Consumption

TKB B7	On avg.	850 g/m <sup>2</sup>
TKB B9	On avg.	950 g/m <sup>2</sup>
TKB B15	On avg.	1,000 g/m <sup>2</sup>

#### Coverage

On avg.	21 m <sup>2</sup>
On avg.	19 m <sup>2</sup>
On avg.	18 m <sup>2</sup>

#### Article no.

121020

#### Packaging

18 kg plastic bucket

#### Shipping unit

33 (pallet)



## Solvents

## STAUF WFR 360

### Fast bonding of parquet with quick accessibility

A parquet floor bonded with STAUF WFR 360 can be walked on just a short time later. Further installation work can therefore be continued quickly.



#### Efficiency

- ✓ Can be walked on shortly after installation
- ✓ Sets rapidly

#### Technical

- ✓ Hard adhesive (ISO 17178)
- ✓ Water-free
- ✓ Good ridge formation
- ✓ Easy to spread
- ✓ High shear strength

#### Environmental

- ✓ GISCODE S 1
- ✓ Methanol-free

#### Areas of use

- Vertical-finger parquet, min. 16 mm thick
- Mosaic parquet
- Strip parquet, uncoated, max. 75 x 600 mm, min. 14 mm thick

Also suitable for

- Lamparquet, uncoated, up to 55 x 250 mm, min. 10 mm thick
- Multi-layer parquet
- Multi-layer parquet, individual strips
- Strip parquet, surface-treated, max. 75 x 600 mm, min. 14 mm thick
- Boards

#### Consumption

- TKB B7 On avg. 950 g/m<sup>2</sup>
- TKB B15 On avg. 1,250 g/m<sup>2</sup>
- TKB B9 On avg. 1,050 g/m<sup>2</sup>

#### Coverage

- On avg. 26 m<sup>2</sup>
- On avg. 20 m<sup>2</sup>
- On avg. 24 m<sup>2</sup>

#### Article no.

122050

#### Packaging

25 kg metal bucket

#### Shipping unit

33 (pallet)



## Solvents

## STAUF WFR 300

### Highly efficient bonding of chip- and OSB-boards and parquet with quick accessibility

STAUF WFR 300 is suitable for bonding boards to screed to create a subfloor and for bonding parquet in professional applications. It cures quickly, meaning the floor can be walked on shortly after bonding and further installation work can be continued quickly.



#### Efficiency

- ✓ Can be walked on shortly after installation
- ✓ Sets rapidly

#### Technical

- ✓ Hard adhesive (ISO 17178)
- ✓ Water-free
- ✓ Very easy to spread
- ✓ High shear strength

#### Environmental

- ✓ GISCODE S1
- ✓ Methanol-free

#### Areas of use

- Boards
- Vertical-finger parquet, min. 16 mm thick
- Mosaic parquet
- Strip parquet, uncoated, max. 75 x 600 mm, min. 14 mm thick

Also suitable for

- Lamparquet, uncoated, up to 55 x 250 mm, min. 10 mm thick

#### Consumption

- TKB B7 On avg. 950 g/m<sup>2</sup>
- TKB B15 On avg. 1,250 g/m<sup>2</sup>
- TKB B9 On avg. 1,050 g/m<sup>2</sup>

#### Coverage

- On avg. 26 m<sup>2</sup>
- On avg. 20 m<sup>2</sup>
- On avg. 24 m<sup>2</sup>

#### Article no.

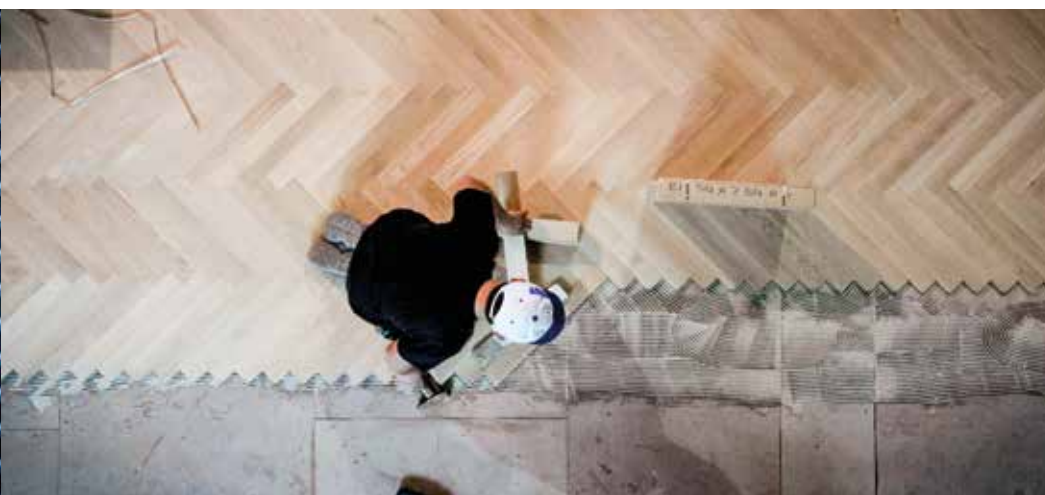
122910

#### Packaging

25 kg metal bucket

#### Shipping unit

33 (pallet)



## STAUF S PRESS

Silane-terminated polyurethanes



### Apply parquet adhesive easily while standing

Packed in a practical plastic tubular bag for use with an adhesive spreading machine, STAUF S PRESS is the ideal adhesive for easy application while standing up. The ergonomic working position provides permanent relief for the knees and back.



#### Efficiency

- ✓ Health-friendly installation
- ✓ Very fast application of adhesive

#### Technical

- ✓ Hard elastic adhesive (ISO 17178)
- ✓ Tension reducing
- ✓ Quick-setting
- ✓ Adhesive residues can be removed easily
- ✓ Easy bag-changing
- ✓ Suitable for adhesive spreader machines from various manufacturers

#### Environmental

- ✓ Solvent-free – GISCODE RS 10
- ✓ Very low emissions – PLUS
- ✓ Not subject to mandatory labelling
- ✓ Free of isocyanates – especially user-friendly

#### Areas of use

- Multi-layer parquet

Also suitable for

- Solid boards (max. 7:1)
- Mosaic parquet
- Strip parquet, uncoated, max. 75 x 600 mm, min. 14 mm thick
- Vertical-finger parquet, min. 16 mm thick

#### Consumption

Depending on the parquet, between 1,050 g/m<sup>2</sup> and 1,300 g/m<sup>2</sup>

#### Article no.

125200

#### Packaging

1,800 ml aluminium bag  
Diameter of tubular bag approx. 63 mm

#### Shipping unit

6 (box), 180 (pallet)



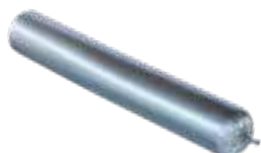
## STAUF SPU 425

Silane-terminated polyurethanes



### Adhesive for precise liquid batten bonding of parquet and laminate flooring

Packed in a practical tubular bag for use with a cartridge gun, STAUF SPU 425 is the ideal adhesive for precise, tidy and uniform dispensing for liquid batten bonding of parquet or laminate flooring to perforated footfall sound insulation.



#### Efficiency

- ✓ No waste thanks to precise dispensing

#### Technical

- ✓ Easy application
- ✓ Elastic adhesive
- ✓ Tension reducing
- ✓ Adhesive residues can be removed easily
- ✓ Quick-setting

#### Environmental

- ✓ Solvent-free – GISCODE RS 10
- ✓ Very low emissions – PLUS
- ✓ Not subject to mandatory labelling
- ✓ Free of isocyanates – especially user-friendly

#### Areas of use

- Solid boards, min. 20 mm thick\*
- Multi-layer parquet, min. 14 mm thick\*
- Strip flooring\*

Also suitable for

- Laminate\*

\*Subject to manufacturer's approval

#### Consumption

On avg. 600 g/m<sup>2</sup>  
for 8 cm liquid batten adhesion

#### Article no.

126150

#### Packaging

600 ml aluminium bag  
Diameter of tubular bag approx. 49 mm

#### Shipping unit

20 (box), 720 (pallet)



## FOR QUICK WORK — OUR ACCESSORIES



REPACOLL S  
see Accessories, p. 44



Cartridge gun  
see Accessories, p. 52



Cleaning wipes  
see Accessories, p. 53



Notched trowel No. 14  
see p. 51 onwards

## Polyurethanes

## STAUF REPAMED

### Quick and easy repair of cavities under parquet

Supplied ready for use in a practical syringe; STAUF REPAMED makes repairing cavities under parquet exceptionally easy. The lightly foaming PU adhesive acts as the ideal aid for filling cavities. Individual parquet strips can be fixed in place quickly and tidily.



#### Efficiency

- ✓ Ready to use
- ✓ Handy and efficient 50 ml pack

#### Technical

- ✓ Accurate and tidy dispensing
- ✓ Very good wetting thanks to foaming action
- ✓ Very good subfloor adhesion
- ✓ Single-component adhesive

#### Environmental

- ✓ Solvent-free – GISCODE RU 1
- ✓ Very low emissions – PLUS

#### Areas of use

- Bridging cavities under all common types of parquet
- Rebonding loose parquet strips and cover strips

#### Consumption

Depending on how pronounced and extensive the cavities are

#### Article no.

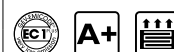
124360

#### Packaging

50 ml syringe

#### Shipping unit

30 (box)



## Dispersion

## STAUF COLD GLUE L

### Reliable and tidy bonding of wood with a tongue and groove system

This STAUF wood glue is used especially for tongue and groove bonding. After being pressed down briefly, it cures quickly to form a transparent layer. Its good water resistance offers reliability in the event of brief contact with water and high humidity. It is suitable for universal applications, including for assembly bonding, furniture making and for all common woods.



#### Efficiency

- ✓ For universal use

#### Technical

- ✓ Sets rapidly
- ✓ Good water resistance
- ✓ Wear category D 3 according to EN 204
- ✓ High final strength
- ✓ Transparent after setting

#### Environmental

- ✓ Solvent-free – GISCODE D 1
- ✓ Environmentally friendly

#### Areas of use

- Tongue and groove bonding, e.g. multi-layer parquet, laminate flooring, chipboard
- Bonding of soft, hard and exotic woods

Also suitable for

- Assembly gluing in indoor areas, e.g. dowels, slots and tenons
- Gluing joints, e.g. solid wood, edging
- Surface gluing, e.g. MDF, chipboard

#### Consumption

Multi-layer parquet/  
laminate flooring:  
On avg. 15 g/rm  
Chipboard  
On avg. 30 g/rm

#### Coverage

On avg. 50 rm

On avg. 25 rm

#### Article no.

121200

#### Packaging

750 g plastic bottle

#### Shipping unit

25 (box), 450 (pallet)



# FLOOR COVERING ADHESIVES

**W**hether in public buildings or large offices, floor coverings in high traffic areas must be high-performance. Office chairs are moved around, heavy pieces of furniture exert permanent pressure on the subsurface and the high comings and goings of the feet of the public put further demands on the floor. The selection of a suitable floor covering also depends on the type of use of the space concerned. STAUF floor covering adhesives are designed to meet various demands and have specific properties for each situation. In this way our adhesives achieve the best possible bonding with the flooring concerned. They also achieve the best possible results in terms of comfort, price and durability.

Furthermore, STAUF also makes safety a high priority where adhesives for textile and elastic floor coverings are concerned. Our products can also be relied on in humidity or fluctuations in temperature – in hospitals and changing rooms alike. Feel free to contact us to find the right adhesive for your require-

ments. Together we will create the space for optimum working conditions, for you should have a solid floor under your feet, especially when you are faced with the pressures of your work.

## DESIGN FLOORING

Modern design flooring (LVT = luxury vinyl tiles) is versatile, but because of its often very individual construction, it demands the highest precision from the floor layers fitting it. In order to achieve the best results, therefore, particular attention must be paid to the preparation of the subfloor and the adhesion. Only if the subfloor has been prepared to perfection will the desired visual effect be achieved. It is all the more important for the floor layer to be able to rely on the properties claimed by the manufacturer for the materials used. In particular the adhesive system used for this purpose takes on a key function as the link between the floor covering and the subfloor.

Usually, design flooring is delivered in 'planks', 2 to 3 mm thick, consisting of several layers. These layers are not tongue and groove connected, nor are they heat-sealed. Therefore, in order to prevent gaps between the individual planks, it is essential to use an adhesive which does what it promises. Moreover, it must be stable in the long term to prevent the potential migration from the PVC floor covering materials. STAUF recommends the D 50 for long-lasting, stable fitting of the wide range of vinyl coverings: the fibre-reinforced dispersion adhesive is ready for use immediately and the fibre reinforcement produces improved dimensional accuracy in comparison with con-

ventional one-side adhesives. In addition, it achieves a good final strength and good wetting of the reverse side of the material.



### Dispersion

### STAUF D 50

#### Fibre-reinforced PVC design flooring adhesive for high dimensional consistency

Temperature variations often lead to dimensional changes in the covering. The combination of firm adhesive grooving and permanent fibres creates a very high dimensional stability. This minimises joint formation and deformation in PVC design flooring.



#### Efficiency

- ✓ Very low consumption
- ✓ Very good initial adhesion

#### Technical

- ✓ Wet-bonding adhesive
- ✓ High dimensional consistency of coverings
- ✓ Very good wetting of coverings
- ✓ High final strength

#### Environmental

- ✓ Solvent-free – GISCODE D 1
- ✓ Very low emissions – PLUS

#### Areas of use

- PVC design flooring (LVT)
- Also suitable for
  - PVC homogeneous/heterogeneous
  - Quartz-vinyl tiles
  - CV flooring
  - PVC sports flooring for point-elastic and area-elastic constructions

#### Consumption

TKB A2 On avg. 300 g/m<sup>2</sup>

#### Coverage

On avg. 47 m<sup>2</sup>

#### Article no.

141060

#### Packaging

14 kg plastic bucket  
6 kg plastic bucket

#### Shipping unit

33 (pallet)  
72 (pallet)



## STAUF D 5

Dispersion



### Wet-bonding adhesive for efficient and reliable bonding of all common PVC flooring types

STAUF D 5 is the reliable option for all common PVC flooring installations. Its very low consumption guarantees efficient projects. The long open time allows flexible, stress-free working.

#### Efficiency

- ✓ Very low consumption
- ✓ Flexible working thanks to long open time
- ✓ Very good initial adhesion

#### Technical

- ✓ Very high bond strength
- ✓ Good wetting of coverings
- ✓ High final strength
- ✓ High dimensional stability

#### Environmental

- ✓ Solvent-free – GISCODE D 1
- ✓ Very low emissions – PLUS

#### Areas of use

- PVC homogeneous/heterogeneous
- Quartz-vinyl tiles
- CV flooring

Also suitable for

- PVC design flooring (LVT)
- PVC sports flooring for point-elastic and area-elastic constructions

#### Consumption

TKB A2 On avg. 300 g/m<sup>2</sup>

#### Coverage

On avg. 47 m<sup>2</sup>

#### Article no.

141330

#### Packaging

14 kg plastic bucket

#### Shipping unit

33 (pallet)



# TIPS & TRICKS

FROM STAUF  
TECHNICAL SERVICE

Fibre-reinforced wet-bed adhesives are optimal in terms of dimensional stability and bonding for design flooring (LVT). However, for complicated geometric installation patterns a pressure-sensitive adhesive can also be advantageous.

More useful tips & tricks on:



## Dispersion

## STAUF D 8

### Time-saving and dimensionally consistent bonding of linoleum, textile flooring and cork

STAUF D 8 counteracts the shrinkage of linoleum and textile flooring thanks to its hard-elastic adhesive grooving. The good initial adhesion facilitates the fitting of stubborn coverings.



<div><div><div>Efficiency</div><div><div>✓</div>Short flash time allows time-saving work</div><div>✓</div>Very good initial adhesion</div></div>		<div><div>Technical</div><div><div>✓</div>Excellent thread formation</div><div>✓</div>Very good wetting</div> <div><div>✓</div>High dimensional consistency</div> <div>✓</div> Wet-bonding adhesive	<div><div>Environmental</div><div><div>✓</div>Solvent-free – GISCODE D 1</div><div>✓</div>Very low emissions – PLUS</div>	<div><div><div><div>D 8</div><div>2-Component-Adhesive</div></div></div></div>
<div><div><div>Areas of use</div><div><div><div>■</div>Linoleum in sheets/tiles with a thickness of up to 4 mm</div><div>■</div>Needle fleece</div><div>■</div>Kugelgarn®</div><div><div>Also suitable for</div><div><div>■</div>Fitted carpets with synthetic double backing</div><div>■</div>Various sports flooring, e.g. in tennis halls</div><div>■</div>homogeneous cork, polished, unfinished surface, max. 600 x 600 mm up to 6mm thickness</div>			<div><div><div>Consumption</div><div><div>TKB A2</div><div>On avg. 325 g/m<sup>2</sup></div></div><div><div>TKB B1</div><div>On avg. 400 g/m<sup>2</sup></div></div></div></div>	<div><div><div>Coverage</div><div><div>On avg. 43 m<sup>2</sup></div></div><div><div>On avg. 35 m<sup>2</sup></div></div></div></div>
<div><div><div>Article no.</div><div>141360</div></div></div>	<div><div><div>Packaging</div><div>14 kg plastic bucket</div></div></div>	<div><div><div>Shipping unit</div><div>33 (pallet)</div></div></div>	<div><div><div><div><div><div>ECT</div></div></div><div><div><div><div></div><div></div><div></div></div></div></div><div><div><div><div></div><div></div><div></div></div></div></div><div><div><div><div>Ü</div></div></div></div><div><div><div><div>A+</div></div></div></div></div></div></div>	







## Dispersion

## STAUF D 11

### Reliable and dimensionally consistent bonding of textile flooring

STAUF D 11 is especially suitable for textile flooring in areas with heavy use. The adhesive reduces seam shrinkage in coverings. The excellent initial adhesion enables quick use in the building.



<b>Efficiency</b> ✔ Optimum open time	<b>Technical</b> ✔ Minimises seam shrinkage ✔ Very good initial adhesion ✔ Wet-bonding adhesive	<b>Environmental</b> ✔ Solvent-free – GISCODE D 1 ✔ Very low emissions – PLUS		
<b>Areas of use</b> <ul style="list-style-type: none"><li>▪ Kugelgarn®</li><li>▪ Needle fleece</li><li>▪ Fitted carpet with synthetic double backing</li><li>▪ Tufted carpet with fleece or foam backing</li></ul> Also suitable for <ul style="list-style-type: none"><li>▪ Woven flooring, coconut fibre/sisal latex-coated</li><li>▪ Textile sports flooring for point-elastic and area-elastic constructions</li></ul>			<b>Consumption</b> TKB A2    On avg. 325 g/m <sup>2</sup> TKB B1    On avg. 400 g/m <sup>2</sup>	<b>Coverage</b> On avg. 43 m <sup>2</sup> On avg. 35 m <sup>2</sup>
<b>Article no.</b> 141250	<b>Packaging</b> 14 kg plastic bucket	<b>Shipping unit</b> 33 (pallet)	    	



## STAUF D 37

Dispersion

### Universal wet-bonding, impact and contact adhesive for all common floor coverings



STAUF D 37 is suitable for all common types of floor covering and all typical applications. It can be used as a wet-bonding, impact and contact adhesive. Its extremely low consumption ensures efficient working.

#### Efficiency

- ✓ For universal use
- ✓ Very low consumption
- ✓ Flexible working due to particularly long open time

#### Technical

- ✓ Very good initial adhesion
- ✓ Very good long tack
- ✓ Very good impact-adhesion properties
- ✓ Very good wetting of coverings

#### Environmental

- ✓ Solvent-free – GISCODE D 1
- ✓ Very low emissions – PLUS

#### Areas of use

- PVC homogeneous/heterogeneous
- Quartz-vinyl tiles
- Woven flooring, coconut fibre/sisal with latex coating
- Fitted carpet with synthetic double backing
- Tufted carpet with fleece or foam backing
- CV flooring

Also suitable for

- PVC design coverings (LVT)
- Rubber flooring with smooth, polished backing up to 2.5 mm thick
- Direct impact bonding on STAUF VEP 195 (following consultation with STAUF's Technical Service department)
- Contact bonding, e.g. stairs

#### Consumption

TKB A2	On avg. 275 g/m <sup>2</sup>
TKB B1	On avg. 325 g/m <sup>2</sup>
TKB A4	On avg. 200 g/m <sup>2</sup>
Roll	On avg. 240 g/m <sup>2</sup>

#### Coverage

On avg. 51 m <sup>2</sup> (14 kg)
On avg. 43 m <sup>2</sup> (14 kg)
On avg. 70 m <sup>2</sup> (14 kg)
On avg. 58 m <sup>2</sup> (14 kg)

#### Article no.

141070

#### Packaging

14 kg plastic bucket  
6 kg plastic bucket

#### Shipping unit

33 (pallet)  
72 (pallet)



## STAUF D 20

Dispersion

### Universal wet-bonding adhesive for all common floor coverings



STAUF D 20 is suitable for all common types of floor covering. Its excellent initial adhesion holds the covering in the correct position securely, right from the word go. The long open time allows flexible working. Thanks to its excellent wetting properties, it allows permanent, reliable bonding – even of rubber flooring and linoleum.

#### Efficiency

- ✓ For universal use
- ✓ Flexible working thanks to long open time

#### Technical

- ✓ Very good wetting
- ✓ Very good initial adhesion
- ✓ High dimensional consistency
- ✓ High final strength

#### Environmental

- ✓ Solvent-free – GISCODE D 1
- ✓ Very low emissions – PLUS

#### Areas of use

- Rubber flooring with smooth, sanded backing up to 4.0 mm thick
- PVC homogeneous/heterogeneous
- Woven flooring, coconut fibre/sisal with latex coating
- Quartz-vinyl tiles
- Fitted carpet with synthetic double backing
- Tufted carpet with fleece or foam backing
- CV flooring

Also suitable for

- Needle fleece
- Kugelgam®
- PVC design flooring (LVT)
- Linoleum
- Various sports flooring, e.g. in tennis halls

#### Consumption

TKB A2	On avg. 300 g/m <sup>2</sup>
TKB B1	On avg. 400 g/m <sup>2</sup>

#### Coverage

On avg. 47 m <sup>2</sup>
On avg. 35 m <sup>2</sup>

#### Article no.

141390

#### Packaging

14 kg plastic bucket

#### Shipping unit

33 (pallet)








## Dispersion

## STAUF D 6

### Wet-bonding adhesive for standard PVC, CV and textile flooring in professional applications

STAUF D 6 is a wet-bonding adhesive that can be used for many standard types of flooring. Its short flash time allows the user to work quickly in professional applications. The high final strength delivers reliable flooring-installation results.



<b>Efficiency</b> <ul style="list-style-type: none"> <li>✓ Product suitable for universal use</li> </ul>	<b>Technical</b> <ul style="list-style-type: none"> <li>✓ Sets rapidly</li> <li>✓ Very easy to spread</li> <li>✓ High dimensional consistency</li> <li>✓ High final strength</li> </ul>	<b>Environmental</b> <ul style="list-style-type: none"> <li>✓ Solvent-free – GISCODE D 1</li> <li>✓ Very low emissions – PLUS</li> </ul>		
<b>Areas of use</b> <ul style="list-style-type: none"> <li>■ PVC homogeneous/heterogeneous</li> <li>■ Tufted carpet with fleece or foam backing</li> <li>■ Quartz-vinyl tiles</li> <li>■ CV flooring</li> </ul>	Also suitable for <ul style="list-style-type: none"> <li>■ Fitted carpet with synthetic double backing</li> </ul>	<b>Consumption</b> TKB A2 On avg. 325 g/m <sup>2</sup> TKB B1 On avg. 400 g/m <sup>2</sup>	<b>Coverage</b> On avg. 46 m <sup>2</sup> (15 kg) On avg. 37.5 m <sup>2</sup> (15 kg)	<b>Article no.</b> 141180 <b>Packaging</b> 15 kg plastic bucket <b>Shipping unit</b> 33 (pallet)     






## Two-component polyurethanes

## STAUF R 105

### Reliable bonding of rubber flooring and PVC for extreme loads

STAUF R 105 is the problem-solver for coverings that are exposed to heavy loads, high levels of moisture and wide temperature variations. The extremely strong adhesion after setting means it can be combined with most coverings. Its very rigid adhesive grooving supports the dimensional consistency of coverings and minimises seam shrinkage.



<b>Efficiency</b> <ul style="list-style-type: none"> <li>✓ Suitable for a very wide range of applications</li> </ul>	<b>Technical</b> <ul style="list-style-type: none"> <li>✓ Withstands extreme loads</li> <li>✓ Heat and cold-resistant</li> <li>✓ Moisture-resistant</li> <li>✓ Also suitable for outdoor use</li> <li>✓ Extreme dimensional consistency of the covering thanks to rigid adhesive grooving</li> <li>✓ Extremely high final strength</li> </ul>	<b>Environmental</b> <ul style="list-style-type: none"> <li>✓ Solvent-free – GISCODE RU 1</li> <li>✓ Very low emissions – PLUS</li> </ul>		
<b>Areas of use</b> <ul style="list-style-type: none"> <li>■ Coverings with smooth backing</li> <li>■ Rubber flooring</li> <li>■ PVC homogeneous/heterogeneous, e.g. hospitals</li> <li>■ Elastic flooring in heavy-duty applications, e.g. industrial buildings</li> <li>■ PVC design flooring (LVT)</li> </ul>	Also suitable for <ul style="list-style-type: none"> <li>■ Rubber-granulate flooring, e.g. running tracks, STAUF underlays</li> <li>■ Quartz-vinyl tiles</li> <li>■ Elastic sports flooring for point-elastic and area-elastic constructions, e.g. sports halls</li> </ul>	<b>Consumption</b> TKB A2 On avg. 400 g/m <sup>2</sup> TKB B1 On avg. 600 g/m <sup>2</sup> TKB B7 On avg. 1,100 g/m <sup>2</sup>	<b>Coverage</b> On avg. 20 m <sup>2</sup> On avg. 13 m <sup>2</sup> On avg. 7 m <sup>2</sup>	<b>Article no.</b> 124320 <b>Packaging</b> 6.9 kg plastic bucket 0.89 kg plastic bottle <b>Shipping unit</b> 65 (pallet)     



## STAUF D 3

Dispersion



### Wet-bonding dispersion-based adhesive for floor coverings

STAUF D 3 is the safe choice for many types of flooring. The outstanding initial adhesion facilitates the insertion of floorings. Its short flash time allows you to work quickly.

#### Efficiency

- ✓ Very good initial adhesion
- ✓ Short flash time allows time-saving work

#### Technical

- ✓ Very good thread formation
- ✓ Fast setting
- ✓ Very easy to spread

#### Environmental

- ✓ Solvent-free – GISCODE D 1

#### Areas of use

- PVC, homogeneous/heterogeneous
- Quartz-vinyl tiles
- CV flooring
- Fitted carpet with synthetic double backing
- Tufted carpet with fleece or foam backing

Also suitable for

- PVC, homogeneous/heterogeneous
- Quartz-vinyl tiles
- CV flooring

#### Consumption

TKB A2 On avg. 325 g/m<sup>2</sup>  
TKB B1 On avg. 400 g/m<sup>2</sup>

#### Coverage

On avg. 43 m<sup>2</sup>  
On avg. 35 m<sup>2</sup>

Article no.  
141040

Packaging  
14 kg plastic bucket

Shipping unit  
33 (pallet)



## STAUF D 3-L

Dispersion



### Reliable conductive bonding in rooms with electronics and explosion hazards

STAUF D 3-L can be used in combination with copper strip to create a conductive floor construction. This delivers safety and protection against accidents due to explosions and against damage to electric equipment. Thanks to its good wetting properties, it allows permanent, reliable bonding of conductive flooring.

#### Efficiency

- ✓ For universal use
- ✓ Ready to use
- ✓ No conductive undercoat needed

#### Technical

- ✓ High dimensional consistency
- ✓ Rapid setting
- ✓ Very good wetting properties
- ✓ Wet-bonding adhesive
- ✓ Fibre-free
- ✓ Bleeder resistance < 3x 10<sup>5</sup> Ω

#### Environmental

- ✓ Solvent-free – GISCODE D 1
- ✓ Very low emissions – PLUS

#### Areas of use

- Laboratories and ESD areas
- Rubber flooring with smooth, sanded backing up to 4 mm thick
- Linoleum in sheets/tiles with a thickness of up to 4 mm
- PVC homogeneous/heterogeneous, quartz-vinyl tiles
- Fitted carpet with synthetic double backing
- Tufted carpet with fleece or foam backing
- Needle fleece

Also suitable for

- Self-laying carpet tiles

#### Consumption

TKB A2 On avg. 300 g/m<sup>2</sup>  
TKB B1 On avg. 400 g/m<sup>2</sup>

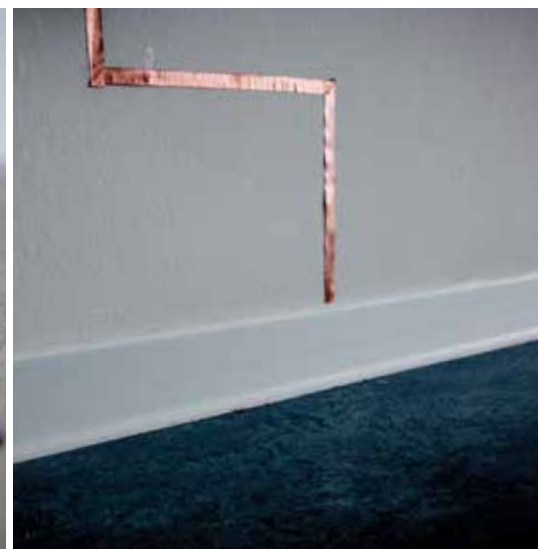
#### Coverage

On avg. 47 m<sup>2</sup>  
On avg. 35 m<sup>2</sup>

Article no.  
141020

Packaging  
14 kg plastic bucket

Shipping unit  
33 (pallet)



## Dispersion

## STAUF CT FIX

### Fix textile, PVC and CV flooring in place with strong adhesion

The STAUF CT FIX universal fixative has good adhesion and is particularly suitable for CV and textile coverings in residential areas as well as self-laying carpet tiles in buildings. Many coverings can be permanently fixed due to its good adhesive strength.



#### Efficiency

- ✓ Low consumption
- ✓ Easy to remove

#### Technical

- ✓ Permanently sticky adhesive film
- ✓ Suitable for many types of covering
- ✓ Very good initial adhesion
- ✓ Very easy to roll out

#### Environmental

- ✓ Solvent-free – GISCODE D 1
- ✓ Very low emissions – PLUS

#### Areas of use

- Areas that are to be renovated frequently, e.g. (rented) apartments, hotels, etc.
- CV flooring
- PVC flooring
- Tufted carpet with fleece or foam backing

Also suitable for

- Self-laying carpet tiles

#### Consumption

Roll On avg. 100 g/m<sup>2</sup>

#### Coverage

On avg. 250 m<sup>2</sup> (25 kg)  
On avg. 100 m<sup>2</sup> (10 kg)  
On avg. 50 m<sup>2</sup> (5 kg)

#### Article no.

141120

#### Packaging

25 kg plastic canister  
10 kg plastic canister  
5 kg plastic canister

#### Shipping unit

24 (pallet)  
60 (pallet)  
120 (pallet)



## Dispersion

## STAUF D 70

### Reliable securing of self-laying carpet tiles

STAUF D 70 tile slip stop allows quick and tidy flooring installation of SL carpet tiles in professional applications. It is ideally suited to offices that are subject to heavy use. The permanent tack allows easy replacement of damaged tiles.



#### Efficiency

- ✓ Very low consumption
- ✓ Tiles can be changed easily

#### Technical

- ✓ Permanently sticky adhesive film
- ✓ Tile slip stop
- ✓ Very easy to roll out

#### Environmental

- ✓ Solvent-free – GISCODE D 1
- ✓ Very low emissions – PLUS

#### Areas of use

- Self-laying carpet tiles

#### Consumption

Roll On avg. 75 g/m<sup>2</sup>

#### Coverage

On avg. 133 m<sup>2</sup>

#### Article no.

141080

#### Packaging

10 kg plastic canister

#### Shipping unit

60 (pallet)



Notched trowel No. 2  
see notched trowels  
p. 50 onwards



Cleaning wipes  
see Accessories, p. 53



Copper strip  
see Accessories, p. 53



Notched trowel No. 1  
see notched trowels  
p. 50 onwards

**FOR QUICK  
WORK**  
—  
**OUR ACCESSORIES**



# MOUNTING ADHESIVES

**T**he time factor in particular plays an important role in repairs and mounting work. Even heavy work-pieces should hold from the start and the adhesive used should dry as quickly as possible. STAUF mounting adhesives are extremely easy to apply, are economical to use have excellent holding properties, both at the beginning of a job and in the finish.

They can also be used for fixing, repairing and assembly. Our products have been adapted to a variety of subsurfaces and substrates. The individual adhesives have been specially adapted to produce excellent fixing qualities on the most varied of subsurfaces. Thus, you can ensure a reliable hold with glass or mineral fibre plates, panels or skirting board made from PVC or wood. Even stonework and bricks, once bonded, stay exactly where they were placed – in total safety. Furthermore, we have developed individual solutions for wood, cement, metal and solvent-resistant foam. Our adhesives are known

for powerful, consistent, flexible glued joints, good resistance to temperature and for being easy to work with. Our adhesives make it possible to work with almost any surface and material – you can't find anything more secure.

Our construction and repair adhesives are graded for you in accordance with the Giscode. This voluntary classification system has been agreed by the product manufacturers and the Institutions for Statutory Accident Insurance and Prevention in the Building Trade (GISBAU) and is part of health and safety at work.

## STAUF EXTREME TACK

Defy gravity – STAUF EXTREME TACK makes it possible. Thanks to this all-rounder for interior fitting, even really heavy weights remain exactly where they belong, even on the ceiling.

This adhesive allows extreme immediate adhesion of more than 200 kg/m<sup>2</sup> in overall bonding. You have two options in applying it. You can take STAUF EXTREME TACK smoothly from the 3.5 kilo containers and apply it with a trowel or you resort to the handy cartridge. Whichever method you choose, you can rely on STAUF EXTREME TACK to adhere firmly from the start.

With this low-emission, almost odour-free adhesive, bonding a wide variety of materi-

als on wood, concrete walls, concrete ceilings and on stone work presents no problem. It also makes the mounting skirting boards and decorative trims, clinker bricks and other bricks trouble-free. Once it has been applied, you still have a few minutes to make corrections before the adhesive gradually reaches its extreme final strength.

STAUF EXTREME TACK is stable and does not drip, even on the ceiling. Once hardened, the adhesive can also be painted. Furthermore, thanks to the short drying time you achieve fast results in your work, on which you can rely.



### Dispersion

### STAUF EXTREME TACK

#### High-performance mounting adhesive with extreme initial adhesion of more than 200 kg/m<sup>2</sup>

STAUF EXTREME TACK mounting adhesive is a stable paste with extremely strong initial adhesion for a wide range of attachment work. For application on all absorbent subsurfaces on floors, walls and ceilings in indoor areas. Especially suitable for the time-saving installation of ceiling tiles.

<b>Efficiency</b> <ul style="list-style-type: none"> <li>✓ Achieves maximum final strength</li> <li>✓ Ready to use</li> <li>✓ No flash time</li> <li>✓ Can be painted over once hardened</li> </ul>	<b>Technical</b> <ul style="list-style-type: none"> <li>✓ Paste-like; levels out uneven surfaces</li> <li>✓ Can be corrected a few minutes after application</li> <li>✓ Very good initial adhesion of more than 200 kg/m<sup>2</sup> with full spread bonding</li> </ul>	<b>Environmental</b> <ul style="list-style-type: none"> <li>✓ Solvent-free – GISCODE D1</li> <li>✓ Odour-neutral after setting</li> <li>✓ Very low emissions</li> </ul>
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#### Areas of use and substrates

- Insulation panels made of glass, wood or mineral fibres
- Styrofoam® and rigid PU foam, e.g. insulating materials, ornamental beams, decorative and acoustic boarding
- Timber and rigid PVC, e.g. skirting, profile strips, trim mouldings, cable ducts, smoke detectors
- Timber, e.g. panels (timber-backed)
- Stone, e.g. clinker and bricks

Also suitable for

- Parquet repair

#### Consumption

Depending on the material to be bonded

**Article no.**  
121810

**Packaging**  
3.5 kg plastic bucket  
310 ml plastic cartridge  
9 kg plastic bucket (available from Q1/2025)

**Shipping unit**  
120 (pallet), 4 (box)  
12 (box), 1200 (pallet)  
65 (pallet)



STAUF REPACOLL S

Silane-terminated polyurethanes



Strong-bonding mounting and repair adhesive

Its extremely fast setting, combined with high suction adhesion, and outstanding adhesion to all absorbent and non-absorbent materials such as wood, plastics, plaster, concrete or metal, make STAUF REPACOLL S a powerful all-rounder for fixing and repair work on floors, walls and ceilings indoors.

<b>Efficiency</b> <ul style="list-style-type: none"><li>✓ For universal use</li><li>✓ Extremely fast setting</li><li>✓ High suction adhesion</li></ul>	<b>Technical</b> <ul style="list-style-type: none"><li>✓ Very good adhesion on various materials</li><li>✓ Low shrinkage</li><li>✓ Stable paste</li></ul>	<b>Environmental</b> <ul style="list-style-type: none"><li>✓ Solvent-free – GISCODE RS 10</li><li>✓ Very low emissions – PLUS</li></ul>
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Areas of use and substrates

- Timber and rigid PVC, e.g. boards and rigid profile strips, skirting, nailing strips and trim mouldings
- Plastics and metals, e.g. window sills, membrane sheets and thresholds
- Insulation panels and acoustic boards, e.g. made of foam, plasterboard or glass and mineral fibres
- Concrete and ceramic coverings, e.g. aerated concrete, concrete bricks and ceramic tiles
- Bonding parquet during repairs

Article no.  
126200

Packaging  
310 ml cartridge

Shipping unit  
12 (box), 1200 (pallet)



## Polychloroprenes

## STAUF F 90 AF

### Easy-to-spread surface contact adhesive with strong initial adhesion

STAUF F 90 AF rapidly develops a high degree of strength even in unfavourable climatic conditions, and loads can be applied immediately. It is especially suited to contact bonding with very high initial strength, e.g. for metals, and can also be applied to a single side, without flash-off, in the case of absorbent materials such as leather or textiles.



#### Efficiency

- ✓ Rapid grab
- ✓ Can be loaded immediately
- ✓ Very easy to spread

#### Technical

- ✓ Very high bond strength
- ✓ Good immediate strength
- ✓ High dimensional consistency

#### Environmental

- ✓ Toluene-free
- ✓ Solvent-bearing – GISCODE S1

#### Areas of use and substrates

- PVC coverings on floors and adjacent areas, e.g. seat bases, wheel housings
- Rubber, leather, felt, insulating materials and solvent-resistant foams
- Timber, e.g. chipboard, plywood or hardboard
- Metal, e.g. uncoated, primed and enamelled sheet
- Cover and separator profiles with high restoring forces, e.g. strips

#### Consumption

TKB A4 On avg. 300 g/m<sup>2</sup>

#### Coverage

On avg. 33 m<sup>2</sup>

#### Article no.

142050

#### Packaging

5 kg metal bucket  
800 g can

#### Shipping unit

90 (pallet)

## Polychloroprenes

## STAUF EXTRA AF

### Contact assembly adhesive with fast flash-off and extra-high bond strength

STAUF EXTRA AF rapidly develops a high degree of strength even in unfavourable climatic conditions, has a long contact-bonding phase, and can be loaded immediately. It is therefore especially suited to mounting nosings, cover and separator profiles, profile strips, skirting, plaster stops and floor coverings on stairs.



#### Efficiency

- ✓ Rapid grab
- ✓ Can be loaded immediately
- ✓ Versatile applications

#### Technical

- ✓ Very high bond strength
- ✓ High dimensional consistency
- ✓ Resistant to ageing
- ✓ High viscosity, therefore suitable for brush application

#### Environmental

- ✓ Toluene-free
- ✓ Solvent-bearing – GISCODE S1

#### Areas of use and substrates

- Textile and PVC coverings on floors and adjacent areas, e.g. on stairs, walls and ceilings
- Nosings, profile strips and plaster stops made of PVC, rubber or metal

#### Consumption

TKB A4 On avg. 300 g/m<sup>2</sup>

#### Coverage

On avg. 14 m<sup>2</sup>

#### Article no.

122300

#### Packaging

4.3 kg metal bucket

#### Shipping unit

200 (pallet)  
60 (pallet)



## STAUF D 22 HV

Dispersion



### Universal wall covering adhesive for all common elastic and textile coverings

STAUF D 22 HV is a viscous wall covering adhesive with rapid initial adhesion combined with very good adhesion development for all common elastic and textile coverings in domestic, commercial and industrial settings.

#### Efficiency

- ✓ For universal use
- ✓ Low dripping

#### Technical

- ✓ High viscosity
- ✓ Very strong initial adhesion
- ✓ Resistant to ageing
- ✓ Very strong initial adhesion
- ✓ Sets rapidly

#### Environmental

- ✓ Solvent-free – GISCODE D 1
- ✓ Very low emissions

#### Areas of use

- CV flooring
- PVC homogeneous/heterogeneous, quartz-vinyl tiles
- Fitted carpets with synthetic double backing
- Tufted carpet with fleece or foam backing
- Woven flooring, coconut fibre/sisal latex coated

#### Consumption

TKB A2	On avg. 350 g/m <sup>2</sup>
TKB B1	On avg. 400 g/m <sup>2</sup>

#### Coverage

On avg. 42 m <sup>2</sup>
On avg. 37 m <sup>2</sup>

#### Article no.

141200

#### Packaging

15 kg plastic bucket

#### Shipping unit

33 (pallet)



## STAUF V 2000 AF

Solvent mixture



### Thinner and cleaner for polychloroprene adhesives

STAUF V 2000 AF is suitable for adjusting the spreadability of dissolved polychloroprene adhesives if the adhesive has thickened, e.g. due to solvent evaporation. Also suitable for cleaning tools and removing polychloroprene adhesive stains.

#### Efficiency

- ✓ For universal use

#### Technical

- ✓ Removes adhesive stains
- ✓ Good dissolving power

#### Environmental

- ✓ Toluene-free
- ✓ Solvent-bearing – GISCODE S1

#### Areas of use

- Adjustment of polychloroprene adhesives, e.g. STAUF EXTRA AF and STAUF F 90 AF
- For preparing undercoats from polychloroprene adhesives by mixing
- For cleaning tools
- For removing adhesive residues

#### Article no.

112930

#### Packaging

5 l metal canister

#### Shipping unit

126 (pallet)

# TIPS & TRICKS

FROM STAUF  
TECHNICAL SERVICE

Small cavities can be fixed by injecting a repair resin. After injecting these adhesives the floor is considered free of defects.

More useful tips & tricks on:



# FLOORS FOR THE BOARDS THAT MEAN THE WORLD

Project report for Staatstheater Hannover

The workshops at the Staatstheater Hannover (Hanover State Theatres) are bursting at the seams: the current storeroom and workshop building behind the municipal library has been in need of renovation for years now, and the technology in place is getting on in years. Any lifting and loading up to now has been done solely by muscle power since the appropriate technology is simply not available – quite a feat considering the 75 tonnes of steel, 40,000 metres of wooden slats and 10,500 square metres of plywood, multiplex panels and block-boards that are processed there each year. The solution lies in a new location in Hanover's Bornum district: construction work there began in spring 2020.

## FAST AND ECONOMICAL BONDING OF OSBS

Fast forward to a morning in December 2022: ten stage construction professionals from Bühnenbau Wertheim GmbH are currently hard at work laying a floating floor on behalf of the Niedersächsische Staatstheater Hannover GmbH (State Theatres of Lower Saxony in Hanover). The carpentry firm specialises in the manufacture and installation of stage floors in theatres, opera houses and concert halls. In Hanover, a new subfloor is required for an area covering 4,000 square metres in total, spread across several large rooms. Floating installation offers the big advantage that due to the absence of a fixed connection to the subfloor, it is possible to remove the subfloor and replace it with comparatively little effort. The stage construction professionals start by bonding a second layer of OSB boards onto the floating first layer using STAUF PUK 446. The choice fell on this two-component polyurethane parquet adhesive due to the low temperatures involved: STAUF PUK 446 is easy to apply, is very low-emission and lends itself for universal use on virtually all substrates without the need for a primer. To mix the two components, the plastic bottle containing hardener no. 5 is completely emptied into a bucket together with the resin component. After this, the stage construction professionals mix together the two components until a uniform colour is obtained.

## IDEAL FOR HIGH MECHANICAL LOADS

In a next step, the stage construction professionals apply STAUF SPU 460 to the top OSB layer once the adhesive has sufficiently set (dried) and the OSB boards have been sanded: the two-layer parquet is bonded to a top layer of black pine with the single-component SPU parquet adhesive that – according to ISO 17178 certificate – is categorised as a hard adhesive. The STAUF product has the advantage

that its high strength combined with elasticity make it perfect for any floor required to withstand heavy loads. This adhesive is also very low-emission (EMICODE® EC1<sup>PLUS</sup>). The multi-layer parquet is then surface-treated to provide effective protection against wear and tear – after all, it will not be long until heavy materials are being moved across the workshop floors.

## FIRST STAGE OF CONSTRUCTION IN THE GRAND MASTER PLAN

By the middle of 2023, the people who work in the metal and wood workshops, the costume, props and set workshops and the construction department will finally be able to move into their modern new workplace at the new location. Known as the Bornum 2042 master plan, this plan envisages the expansion of the Bornumer Straße site into the central rehearsal and production venue of the Hanover State Theatres over the course of the next 25 years. The project is due to be completed in the year 2042 once the move has taken place into the new orchestra rehearsal room.



# TOOLS AND ACCESSORIES



**T**o achieve the best results, a workman must be able to rely on his tools – the quality of the work also depends on the materials available. We know this only too well. This is why our experienced technical staff test the STAUF tools and accessories range for you beforehand, so that you get the best use from the products, based on your experience and ours. We spend a lot of our time on this so that you don't waste yours. We are totally familiar with the properties of our products and know how to use them quickly and efficiently to give the best results. Therefore we only offer products which we can say with certainty and conviction that they will make your work easier.

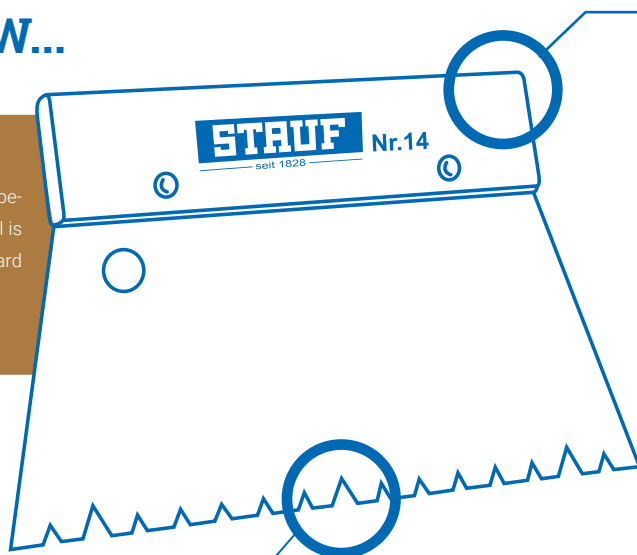
Our range of tools and accessories are the perfect addition to the tools at your workplace – so you can get started straight away. Our range includes special tools for spreading levelling compounds, adhesives and primers. We stock our notched trowels and spatulas in various sizes and for very different

purposes. Furthermore, we stock the accessories needed to process multi-component products, and we also have a range of highly functional work clothing. And for particularly ergonomic work we offer you a battery-powered bonding machine.

## GOOD TO KNOW...

### No. 14

Notched trowel No. 14: With STAUF's specially developed triple toothing, this tool is suitable for bonding large-format board elements and panel parquet.



### HANDLE

Robust handle made from high-quality beech for a unique, natural feel.

### TOOTHING

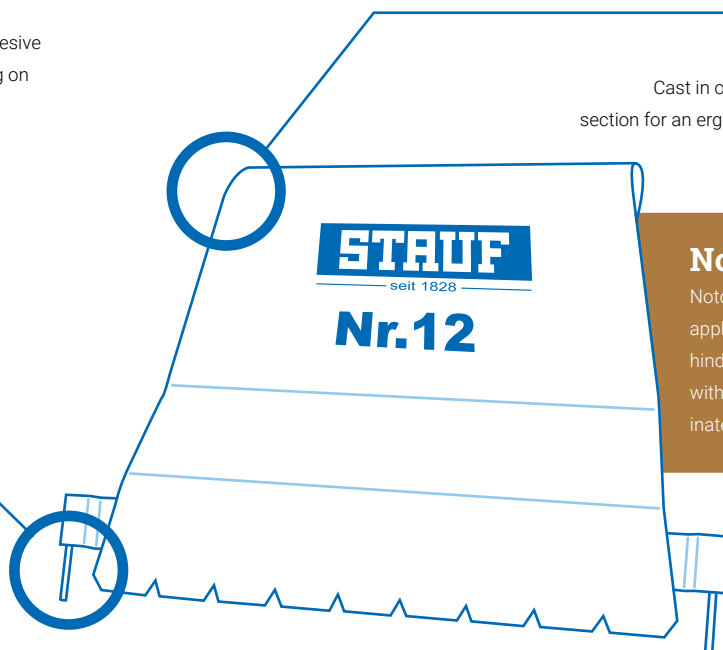
Extra-deep teeth for even more intelligent adhesive application. This further ensures good wetting on large-format board elements.

### MATERIAL

Cast in one piece from aluminium, with a rounded section for an ergonomic handle and comfortable working.

### SPECIAL PIN

Special stainless-steel pins for uniform application of the vapour barrier.



### No. 12

Notched trowel No. 12: As the adhesive is applied, the tool simultaneously leaves behind a vapour barrier on cement screeds with residual moisture content. This eliminates one process and saves you time.

## STAUF TROWELS AND SPATULAS

Subsurface and especially top covering need the correct adhesive-spreading notched trowels. Various types of toothing are used on spatulas and trowels, and the toothing has an effect on the amount of adhesive spread. Ideal wetting depends on subsurface and top covering. As well as the usual toothing in accordance with TKB (Technical Commission for Construction Adhesives), we recommend the special toothing developed by us – these are one step ahead of the current technical state of the art.



Current and historical STAUF notched trowels

## STAUF Notched Trowel No. 1 (TKB A2)



Bonding of elastic and textile flooring

a = 1.4 mm    b = 1.7 mm    c = 1.3 mm

Article no.	160010
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## STAUF Notched Trowel No. 2 (TKB B1)



Bonding of textile flooring and linoleum

a = 2.0 mm    b = 2.4 mm    c = 2.6 mm

Article no.	160020
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## STAUF Notched Trowel No. 3 (TKB B7)



Bonding of mosaic parquet and pre-finished mosaic parquet

a = 3.9 mm    b = 3.6 mm    c = 4.4 mm

Article no.	160030
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## STAUF Notched Trowel No. 4 (TKB B15)



Bonding of wood-block flooring, vertical-finger parquet, strip parquet and boards

a = 6.3 mm    b = 5.6 mm    c = 6.9 mm

Article no.	160040
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**TIPS & TRICKS**

FROM STAUF  
TECHNICAL SERVICE

Different coverings need different adhesive application quantities, and thus different sizes of notched trowel with high or low tooth sizes are also needed.

More useful tips & tricks on:



## STAUF Notched Trowel No. 5 (TKB B9)



Bonding of multi-layer parquet, multi-layer boards and lamparquet

a = 5.0 mm    b = 6.1 mm    c = 9.9 mm

<b>Article no.</b>	160050
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## STAUF Notched Trowel No. 12



Bonding on cement screeds and concrete floors with residual moisture content

a = 5.15 mm    b = 5.7 mm    c = 14.3 mm

<b>Article no.</b>	160120
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## STAUF Notched Trowel No. 14



For bonding large-format board elements and panel parquet

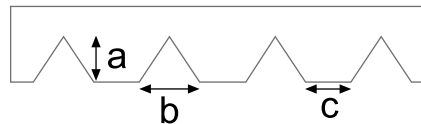
a = 6.5 mm    b = 6.33 mm    c = 6.36 mm

3 x a = 10.23 mm    b = 10.19 mm

<b>Article no.</b>	160140
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- (a) Notch depth
- (b) Notch width
- (c) Notch spacing



## SUBFLOOR PREPARATION



### DISPOSABLE STIRRER

For even mixing of STAUF polyurethane adhesives using electric drills or stirrers.

**ARTICLE NO.**  
160510



### PRICKLE ROLLER 50 CM

Spiked roller for releasing air from levelling compounds.

**ARTICLE NO.**  
160230 50 cm



### EXPANSION STRIPS

Expansion strips, width 50 mm  
Self-adhesive expansion strips, 50 mm high/5 mm thick/20 m long, made of polyethylene foam.

**ARTICLE NO.**  
110310



### MIXING BUCKET 10 L

Ideal for mixing levelling compounds. Transparent with scale for STAUF levelling compounds.

**ARTICLE NO.**  
192312



### CARTRIDGE GUN

Cartridge gun (manual).

**ARTICLE NO.**  
160270 310 ml



### MEASURING JUG 2 L

Ideal for measuring small quantities of water.

**ARTICLE NO.**  
160260



### MIXING BUCKET 30 L

Ideal for mixing levelling compounds.

**ARTICLE NO.**  
160245



### SPIRAL AGITATOR

For evenly mixing STAUF levelling compounds with electric drills or stirrers.

**ARTICLE NO.**  
160530

## ACCESSORIES AND CLEANING AGENTS



### APPLICATION ROLLER

Universal roller for priming work.

**ARTICLE NO.**  
167060



### TELESCOPIC HANDLE

Aluminium telescopic handle for roller handles.

**ARTICLE NO.**  
167090



### ROLLER HANDLE FOR 25 CM ROLLERS

Roller handle for 25 cm application roller.

**ARTICLE NO.**  
167050



### COPPER STRIP

Self-adhesive copper tape for conductive bonding (20 metre roll, 10 mm width).

**ARTICLE NO.**  
110610



### CLEANING WIPES

For the removal of fresh or not yet completely hardened adhesive residues (SMP, SPU and PU adhesives).

70 pcs. 30x27.5 cm

**ARTICLE NO.**  
160791



### INTENSIVE CLEANER 1000 ML

Quick dissolution of adhesive residues thanks to strong dissolving power based on naturally obtained citrus peel extracts.

**ARTICLE NO.**  
152010



### SPECIAL CLEANER 750 ML

Gentle ethanol-based stain removal.

**ARTICLE NO.**  
152000

## WORK CLOTHING



### WORK TROUSERS

High-quality Engelbert Strauss work trousers (65% polyester, 35% cotton), breathable and very durable, with side pockets, a patch pocket for a carpenter's gauge, and pockets for inserting knee pads. With STAUF logo

<b>ARTICLE NO.</b>	
066160	48
066161	50
066162	52
066163	54
066164	56



### T-SHIRT

High-quality cotton T-shirt with STAUF logo.

<b>ARTICLE NO.</b>	
061160	M
061170	L
061180	XL
061190	XXL



### SOFTSHELL JACKET

A windproof, water-repellent and breathable Engelbert Strauss jacket with two zip pockets on the sides and a breast pocket. Waistband size adjustment with drawstring, STAUF logo on arm and back.  
Outer shell: 100% polyester.

<b>ARTICLE NO.</b>	
066230	M
066240	L
066250	XL
066260	XXL



### FLEECE JACKET

Lightweight, warming and breathable Engelbert Strauss fleece jacket with two zipped side pockets, two large inside pockets and STAUF logo on arm and back.  
Outer shell: 100% polyester.

<b>ARTICLE NO.</b>	
066400	S
066410	M
066420	L
066430	XL
066440	XXL

# LAYING DESIGN FLOORING IN THE BERLIN COMPLEX

## Project report for quadrangle complex in Berlin-Steglitz

The skips and building materials in the quadrangle between Forststraße, Buggestraße, Björnsonstraße and Opitzstraße in the Steglitz district of Berlin are gradually disappearing under a decorative layer of autumn leaves that float down noiselessly from above. Indoors, though, it's a hive of activity – two of the 23 flats here that have been undergoing extensive renovation since June 2021 are reverberating to the sound of the flex milling machine, single-disc grinders and vacuum cleaners that are working their magic on this sunny day in November. The various trades are losing no time in getting down to work on the building site. Painters, electricians, plumbers and floor layers are having to coordinate their work so as to avoid treading on each other's toes during the final spurt. Delays and delivery constraints rooted in the coronavirus pandemic have repeatedly led to setbacks in the work schedule. A total of 2,200 square metres of living space is undergoing modernisation on behalf of HERON Bau- und Objektmanagement GmbH – with flat sizes varying from 34 to 178 square metres.

## SEALING SCREED JOINTS WITH CASTING RESIN

Right now, the crew from Schulze Fußboden-Centrum in Neukirchen/Pleiße is busy preparing the subfloor for laying the designer flooring. The cement screed with its underfloor heating is sanded, brushed and thoroughly hoovered before the screed joints and transverse grooves, which are reinforced with corrugated joint connectors, can be sealed with casting resins. The fast-curing STAUF SGH 50 two-component silicate casting resin is just the job for ensuring force-fit cohesion.

## STAUF D 54: LOW CONSUMPTION FOR LARGE AREA USE

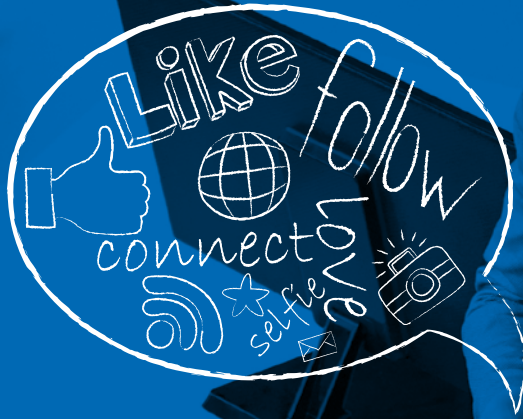
When it comes to applying the priming layer, the floor and parquet layers Jürgen Pflug, Vasile Hanarec and Benjamin Gerhardt, aided and abetted by helper Malte Schulze, start by reaching for STAUF D 54: this adhesive and primer concentrate boasts excellent coverage and is quick-drying to boot – important properties when large areas and tight schedules are the order of the day. STAUF D 54 is also a good choice if the aim is not just to pay lip service to occupational safety and healthy living – after all, this concentrate is solvent-free and very low-emission. Any larger areas of unevenness in the screed are then pre-filled with STAUF RM: this stable, cement-based levelling compound is used under parquet or elastic or textile flooring. It is then the turn of the self-levelling filler STAUF XP

10. This compound is mixed with water in a clean bucket until a homogeneous mixture is obtained and is then spread evenly over the surface.

## LONG OPEN TIME FOR DESIGNER FLOORING

When it comes to laying the Creation 30 designer flooring from Gerflor, the specialists opt for STAUF D 37 – a very high-yield, dispersion-based flooring and contact adhesive that stands out with its particularly long open time and pressure-sensitive adhesive phase. The tools of choice for applying this flooring are STAUF notched trowels number 1 and 2. Some 24 hours later, the floor is ready for use – and work can now continue on the final spurt at this building site.



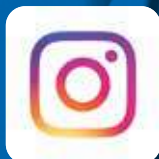


# STICKS TO ALL CHANNELS

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<https://de.linkedin.com/company/stauf-klebstoffwerk-gmbh>

# KEY TO ICONS

## SUITABILITY



Suitable for  
chair rollers



Suitable for sub-floor  
heating systems



Conductive

## GISCODE



Solvent-free disper-  
sion installation  
products



Installation products,  
methoxysilane-containing



Solvent-free  
polyurethane installa-  
tion products



Compound, based  
on calcium sulphate



Products containing  
cement, low in chromate



Installation products, high  
in solvents, aromatics- and  
methanol free



Epoxy resin products,  
solvent-free,  
sensitising



Epoxy resin products,  
sensitising, total solid,  
non-sensitising aqueous  
hardener



Epoxy resin products,  
sensitising, total solid

The product designation 'solvent-free' quoted in this catalogue relates to the definition of a solvent pursuant to TRGS 610.

## APPROVALS/REGISTRATIONS



General building authority approval by the  
Deutsches Institut für Bautechnik (German Insti-  
tute for Civil Engineering (DIBt))



Applies to building materials sold on the French  
market. The tests are based on ISO 16000 – which  
corresponds to the testing basis of the German In-  
stitute for Civil Engineering (DIBt).



Unique formulation identifier code to be indicated  
on the labels of products if they contain a hazard-  
ous mixture.



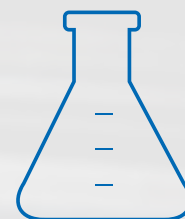
The product's distributor has committed to partici-  
pating in the 'Interseroh Dual System' (DSI). This  
means that the manufacturer agrees to make a li-  
cense payment for the subsequent disposal of the  
packaging to cover the costs of disposal.



Internationally, the most important and best-known  
system for classification of emissions behaviour  
for flooring installation products, adhesives and  
building materials.



The CE mark is an indication that a product has  
been tested by the manufacturer and that it meets  
all EU-wide requirements for safety, health protec-  
tion and environmental protection.



# OUR TECHNOLOGIES

## DISPERSION

Dispersions contain polymers which are finely distributed in water. These are the binding agent in adhesives of this name. Dispersion adhesives obtain a hardness similar to 2-component polyurethane wood flooring adhesive. The hardness, however, is only reached after the water from the adhesive has been absorbed by the material or the air. Dispersion adhesives thus need a good absorbent surface. During the curing process, the synthetic resin particles bond together to form an adhesive film. The water contained in the adhesive makes wood flooring swell (especially pressure-sensitive woods like beech, maple and ash). Dispersion adhesives also only have a limited ability to form bridges over hollow spaces. They are only recommended for bonding dimensionally stable and small format wood flooring. However, in terms of installer and consumer safety, they are model adhesives because they are solvent and hazard free.

## SOLVENT

Solvent based adhesives use resin or rubber dissolved in solvent as the binding agent. The transition from a fluid processing state to the fixed final state takes place through evaporation or diffusing the solvent. Because of their good bonding properties, solvent-based adhesives can be used for many types of wood flooring. However, the health aspect as well as occupational safety should be considered when using solvent adhesives: between 60 and 90 per cent of the adhesive is volatile and emitted to the environment. For this reason – as well as the fact that they are easily flammable – we recommend substituting solvent-based products with solvent-free ones.

## REACTION RESIN

Reaction resins are synthetic resins that harden through a chemical reaction without breaking into by-products. The term reaction resin adhesives was defined by the German Adhesives Association and refers to all types of chemically curing adhesives, regardless of whether they contain a reactive or condensation resin.

### REACTION RESIN PRODUCTS BASED ON PU (POLYURETHANE)

As a rule, polyurethane adhesives do not contain any components that have a swelling effect on parquet woods. The two-component versions progressively harden through the chemical reaction of the mixed components – the process begins as soon as they are mixed. These adhesives have a very limited pot life or work time window which means that preparation is necessary and must be particularly thorough. It is also important to follow the correct ratio of components when mixing in order to avoid defective bonds. Two-component polyurethane adhesives can be universally used and are hard-elastic after curing without shrinkage. They are particularly suitable for bonding high-tension, moisture-sensitive parquet types and boards such as beech, maple and exotic wood types. The ready-to-use single-component polyurethane adhesives are usually also universally usable. The bond is created by a chemical reaction between the adhesive and the ambient humidity. The bonding behaviour thus decisively depends on the water content or the moisture in the subfloor and wood as well as the ambient conditions in the room. After curing they are elastic or shear-elastic, depending on the formulation, and provide very good stress relief between the parquet and the subfloor due to their balanced mechanical properties.

### REACTION RESIN PRODUCTS BASED ON SMP (SILANE-MODIFIED POLYMERS)

Reaction resin adhesives based on silane-modified polymers are not subject to labelling. SMP products can be used on most subfloors without any adhesion promoter (primer), are silicone and solvent free, have very low emissions and are almost odourless and easy to handle after curing. Due to the elasticity of the polymer materials used, silane-modified polymers provide effective protection for the subfloor against the natural swelling and shrinkage movements of the wood. They can also be handled very easily.

### REACTIVE RESIN PRODUCTS BASED ON SPU (SILANE-TERMINATED POLYURETHANES)

Silane-terminated polyurethanes combine the advantages of polyurethane chemistry, e.g. its versatility, with that of the cross-linkage of silane. SPU adhesives have balanced mechanical properties after curing, have both elasticity and strength, and at the same time are very easy to spread. The silane chemistry creates a strong bond to the subfloor which makes good adhesion to a number of different subfloors possible without priming. They are approved as a full substitute for solvent-based wood flooring adhesives and not only improve workplace health but also reduce the amount of greenhouse gas emissions.

### EPOXY RESIN PRODUCTS

Reaction resin adhesives for wood flooring on an epoxy resin basis are only available as two-component systems. They are characterised by low shrinkage when curing and have very good adhesion to almost all subfloors. In terms of their technical properties they are similar to two-component polyurethane adhesives, so all statements made for those apply. Epoxy resin adhesives also do not usually contain components that have a swelling effect on parquet wood, but it should be noted that in most cases both components contain hazardous substances that require suitable occupational safety measures.

# PRODUCT OVERVIEW AND PROPERTIES



**T**he fundamental precondition for a solid floor underfoot is the optimum interplay of substrate preparation, primer, levelling compounds, adhesive and floor covering. At STAUF we dedicate ourselves to this demanding task each and every day – with knowledge, experience and the willingness to try something new. This allows us to systematically expand our core expertise of developing adhesive solutions for wood flooring. Today we also offer suitable products for textile and elastic floor coverings as well as athletic flooring.

Our individual system solutions are matched to the varying requirements of floor construction down to the last detail. Every subfloor condition and every floor covering requires a specially suited solution. We only offer our customers adhesives and system components that have been developed in our laboratory and extensively tested according to the specific application. We have developed adhesive systems that interlock perfectly for all conceivable subfloors and coverings, whether for indoors or outdoors, under high loads or extreme temperature fluctuations.

Our raw materials, production methods and tested products undergo strict quality control measures. In product development, we place particular emphasis on good installer safety, as reflected in the GISCODE classifications. The reduction of emissions also has priority with us – as can be seen by the EMICODE® classifications EC1 and EC1<sup>PLUS</sup>. STAUF products meet current national regulatory requirements and have the necessary approvals, such as technical approval from the German Institute for Civil Engineering (DIBt).

The following tabular summary provides an overview of STAUF products for subfloor preparation as well as our adhesives, with product properties and information on their application on subfloors and under a wide range of conditions.

# PROPERTIES, INTENDED USE AND CONSUMPTION

The following table indicates properties of the products for subfloor preparation:

Primer	D 54	VDP 160	VDP 130	WEP 180	VEP 195	VPU 155 S
Ready to use						
Water-dilutable						
Water vapour retarding function on cement screed		max. 3.0 CM% (90% KRL)		max. 4.0 CM% (95% KRL)	max. 5.0 CM% (98% KRL)	max. 3.5 CM% (92% KRL)
Water vapour retarding function on heated cement screed				max. 3.5 CM% (92% KRL)	max. 3.5 CM% (92% KRL)	max. 2.5 CM% (85% KRL)
Water vapour retarding function on concrete				max. 4.0 CM% (5 Gew.% o. 95% KRL)	max. 5.0 CM% (6 Gew.% o. 98% KRL)	
Stabilisation of the subfloor						
Adhesive bridge on smooth subfloors						
Adhesive bridge on STAUF VEP 195						
Binds residual dust						
Regulates the absorbency of the subfloor						
Protects against mixing water from levelling compound						
Consumption (depending on mixing ratio, subfloor and application area (g/m <sup>2</sup> ))	40 - 130	25 - 300	60 - 120	75 - 500	300 - 650	150 - 400
GISCODE	D1	D1	D1	RE20	RE30	RU1
EMICODE®	EC1 <sup>PLUS</sup>		EC1 <sup>PLUS</sup>	EC1 <sup>PLUS</sup>	EC1 <sup>PLUS</sup>	EC1 <sup>PLUS</sup>

Yes (without restrictions)	Yes (with restrictions)	No
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Subfloors	D 54	VDP 160	VDP 130	WEP 180	VEP 195	VPU 155 S
Under levelling compounds						
Under adhesives		1:5	1:1			
Under cement-based levelling compounds						
Under calcium sulphate levelling compounds						
On cement-based levelling compounds (as intermediate primer)	1:3	1:3				
On calcium sulphate levelling compounds (as intermediate primer)	1:1	1:1				
Cement screed	1:3	1:3		1:1		
Concrete	1:3	1:3		1:1		
Calcium sulphate screed, calcium sulphate self-levelling screed	1:1	1:1		1:1		
Magnesite and xylolite screeds				1:1		
Wooden subfloors (parquet, floorboards)	1:1	1:1		1:1		
Chipboards V100 (E1), OSB boards	1:1	1:1		1:1		
Prefabricated screed (uncoated gypsum fibreboard)	1:1	1:1		1:1		
Sanded mastic asphalt	usually not necessary					
Mastic asphalt						
Stone, ceramics, terrazzo, tiles						
Stonework	1:3	1:3		1:1		
Cement-bound plaster	1:3	1:3		1:1		

recommended (extremely suitable)	suitable with restrictions	not suitable / not applicable
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## PRODUCT OVERVIEW SUBFLOOR PREPARATION

The following table indicates which products can be used on which subfloors:

		STAUF levelling compounds	Cement screeds	Calcium sulphate screed, calcium sulphate self-levelling screed	Concrete	Wooden subfloors (parquet, floorboards)	Chipboard V100 (E1), OSB flooring boards	Uncoated gypsum fibreboard	Magnesit- und Steinholzestriche	Sanded mastic asphalt	Stone, ceramics, terrazzo, tiles
Priming	STAUF VDP 130	✓	✓	✓	✓	i	i	i			
	STAUF D 54	✓	✓	✓	✓	✓	✓	✓		✓	i
	STAUF VDP 160	✓	✓	✓	✓	✓	✓	✓		✓	✓
	STAUF VPU 155 S		✓	✓	✓	✓	✓	✓	✓	i	i
	STAUF VEP 195	i	✓	✓	✓	✓	✓	✓	✓	✓	✓
	STAUF WEP 180	i	✓	✓	✓	✓	✓	✓	✓	✓	✓
Repairing	STAUF SGH 50		✓	✓	✓				✓	✓	✓
Smoothing, filling, levelling	STAUF XP 10	i	✓	✓	✓	i	i	i	✓	i	✓
	STAUF XP 20	i	✓	✓	✓	i	i	i	✓	i	✓
	STAUF SSP RAPID	i	✓	✓	✓	i	i	i	✓	i	✓
	STAUF GS	i	✓	✓	✓	i	i	✓	✓	✓	✓
	STAUF GS BASIC	i	✓	✓	✓	i	i	✓	✓	✓	✓
	STAUF PU		✓	✓	✓	✓	✓	✓	✓	✓	✓
	STAUF FZ	i	✓	✓	✓				i	i	✓
	STAUF GS STAND	i	✓	✓	✓	i	i	✓	✓	i	✓
	STAUF RM	i	✓	✓	✓	i	i	i	✓	i	✓
	STAUF TURBO FIX	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Reinforcing, damping	Dämmunterlage	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Polyestervlies	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Entkopplungsplatte	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Armierungsfasern	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Glasfasergelege	i	✓	✓	✓	✓	✓	✓	✓	✓	✓

✓ Product is very suitable or recommended; please refer to the technical data sheet.

i Product is suitable with reservations; please refer to the technical data sheet or contact the STAUF technical service department.

## PRODUCT PROPERTIES SUBFLOOR PREPARATION

The following table contains further properties of the subfloor preparation products:



Primer	Drying time	Potlife	Max. residual moisture	Storage and transport requirement	Shelf life	Colour
<b>STAUF VEP 195</b>	approx. 12-72 h	30-45 Min.	98% KRL bzw. 5 CM-%	–	12 months	lightly yellowish (mixed)
<b>STAUF WEP 180</b>	approx. 2-72 h	ca. 45 Min.	95% KRL bzw. 4 CM-%	frost-free	9 months	lightly yellowish (mixed)
<b>STAUF D 54</b>	approx. 1-15 h	–	–	frost-free	12 months	white
<b>STAUF VDP 130</b>	approx. 45 min.-15 h	–	–	frost-free	12 months	green
<b>STAUF VDP 160</b>	approx. 1 hr.-15 h	–	90% KRL bzw. 3 CM-%	frost-free	12 months	cream
<b>STAUF VPU 155 S</b>	approx. 30 min.-2 h	–	92% KRL bzw. 3.5 CM-%	–	9 months	honey

Casting resin	Drying time	Potlife	Shelf life	Storage requirement	requirement	Colour
<b>STAUF SGH 50</b>	approx. 60 min.	8-10 min.	9 months	> 10 °C	> 6 °C	beige (mixed)

Levelling compound	Accessible	Ready for flooring installation	Coating thickness mm	Storage and transport requirement	Haltbarkeit	Load
<b>STAUF XP 10</b>	approx. 3 h	approx. 24-72 h	1-10	dry	9 months	normal
<b>STAUF XP 20</b>	approx. 2 h	approx. 16-72 h	1-20 (30)	dry	9 months	high
<b>STAUF SSP RAPID</b>	approx. 1 h	approx. 2-14 h	1-10 (20)	dry	6 months	very high
<b>STAUF GS</b>	approx. 3 h	approx. 24 h	1-20 (30)	dry	9 months	normal
<b>STAUF GS BASIC</b>	approx. 3 h	approx. 24 h	1-10	dry	9 months	normal
<b>STAUF PU</b>	approx. 8 h	24 h	unlimited	dry	9 months	extremely high
<b>STAUF FZ</b>	approx. 4 h	approx. 24 h-3 d.	3-40 (60)	dry	9 months	normal
<b>STAUF GS STAND</b>	approx. 1 h	approx. 24 h-7 d.	1-10 (30)	dry	12 months	normal
<b>STAUF RM</b>	approx. 30 min.	at least 4 h	1-10 (50)	dry	9 months	high
<b>STAUF TURBO FIX</b>	approx. 20-30 min.	Text./elast. floor coverings approx. 1 hr. Parquet & cork approx. 12 h	0-5	dry	12 months	high

These short product descriptions cannot, of course, include all relevant details. We therefore recommend that you always refer to the technical data sheets. All information on open time, accessibility, drying time and flash time relates to a room temperature of 20°C and a humidity of 65%.

The following table indicates which products can be used for which types of parquet:

w/o=	without surface treatment		Product is very suitable or recommended; please refer to the technical data sheet.
w	= with surface treatment		Product is suitable with reservations; please refer to the technical data sheet or contact the STAUF technical service department.

1) Depending on: timber type, dimensions, surface treatment, edge trimming, underfloor heating, indoor climate, substrate

2) Depending on: manufacturer's approval of the surface layer for liquid batten adhesion

## PRODUCT PROPERTIES PARQUET ADHESIVES

The following table contains further properties of the parquet adhesive products:

Reaction resin adhesives	Open time	Accessibility	Shelf life	Colour	Grindability	Storage and transport requirement
<b>STAUF SPU 570</b>	approx. 25 min.	after approx. 12-24 h	12 months	light brown	after approx. 24-48 h	–
<b>STAUF SMP 930</b>	approx. 30 min.	after approx. 24-48 h	12 months	beige	after approx. 24-48 h	–
<b>STAUF SMP 950</b>	approx. 20 min.	after approx. 12-24 h	12 months	beige	after approx. 24-48 h	–
<b>STAUF MULTILAYER</b>	approx. 30 min.	after approx. 24 h	12 months	beige	after approx. 24 h	–
<b>STAUF SPU 460</b>	approx. 20 min.	after approx. 24 h	12 months	beige	after approx. 24 h	–
<b>STAUF SPU 555</b>	approx. 15 min.	after 4 h	9 months	beige	after approx. 4-24 h	–
<b>STAUF S PRESS</b>	approx. 30 min.	after approx. 48 h	9 months	beige	after approx. 48 h	–
<b>STAUF SPU 425</b>	approx. 20 min.	after approx. 24-48 h	12 months	beige	after approx. 24-48 h	–
<b>STAUF PUK 455</b>	approx. 30 min.	after approx. 24-48 h	9 months	beige	after approx. 24-48 h	–
<b>STAUF PUK 446</b>	approx. 45-60 min.	after approx. 24 h	12 months	beige	after approx. 24 h	–
<b>STAUF PUK 447</b>	approx. 45-60 min.	after approx. 24 h	9 months	beige	after approx. 24-48 h	–

Dispersion-based adhesives	Open time	Accessibility	Shelf life	Colour	Grindability	Storage and transport requirement
<b>STAUF M2A 720</b>	approx. 10 min.	after 4-24 h	12 months	beige	after 5-7 days	frost-free

Solvent-based adhesives	Open time	Accessibility	Shelf life	Colour	Grindability	Storage and transport requirement
<b>STAUF WFR 360</b>	approx. 10 min.	after 48-72 h	12 months	beige	after 5-10 days	–
<b>STAUF WFR 300</b>	approx. 15 min.	after 48-72 h	12 months	beige	after 7-10 days	–

These short product descriptions cannot, of course, include all relevant details. We therefore recommend that you always refer to the technical data sheets. All information on open time, accessibility, drying time and flash time relates to a room temperature of 20°C and a humidity of 65%.

## PRODUCT OVERVIEW FLOOR COVERING ADHESIVES

The following table indicates which products can be used for which types of floor covering:

		Fitted carpet with synthetic double backing	Tufted carpet with fleece or foam backing	Needle fleece	Kugelgarn®	Woven flooring, coconut fibre/sisal latex coated	Self-laying carpet tiles	PVC homogeneous/heterogeneous, quartz-vinyl tiles	PVC design flooring (LVT)	CV flooring	Linoleum in sheets/tiles with a thickness of up to 4 mm	homogeneous cork, polished, unfinished surface, max. 600 x 600 mm up to 6mm thickness	Various types of sports facility flooring, e.g. in tennis halls	Rubber flooring in boards or sheets	Rubber flooring with smooth, sanded backing up to 4 mm thick	Rubber flooring with smooth, sanded backing up to 2.5 mm thick
Floor covering adhesives	STAUF D 50	✓	✓					✓	✓	✓			✓			
	STAUF D 37	✓	✓	✓	✓	✓		✓	✓	✓		✓	✓			✓
	STAUF D 20	✓	✓	✓	✓	✓		✓	✓	✓	✓		✓		✓	✓
	STAUF D 6	✓	✓	✓	✓	✓		✓		✓			✓			
	STAUF D 3	✓	✓	✓				✓	✓	✓			✓			
	STAUF R 105							✓	✓		✓		✓	✓	✓	✓
	STAUF D 5	✓	✓					✓	✓	✓			✓			
	STAUF D 8	✓		✓	✓						✓	✓	✓			
	STAUF D 11	✓	✓	✓	✓	✓		✓		✓			✓			
Con- ductive	STAUF D 3-L	✓	✓	✓				✓		✓	✓				✓	✓
Fixatives	STAUF D 70						✓									
	STAUF CT FIX	✓	✓				✓	✓		✓						



Product is very suitable or recommended; please refer to technical data sheet.



Product is suitable with reservations; please refer to technical data sheet or contact the STAUF technical service department.

## PRODUCT PROPERTIES FLOOR COVERING ADHESIVES

The following table contains further properties of the floor-covering adhesive products:

Floor covering adhesives	Flash time	Open time	Accessibility	Colour	Potlife	Shelf life	Storage and transport requirement
<b>STAUF D 50</b>	5-10 min.	5-20 min.	after approx. 24 h	cream	–	9 months	frost-free
<b>STAUF D 37</b>	Impact & contact bonding: approx. 60 min. Wet bonding: 5-25 min.	Impact & contact bonding: up to 80 min. Wet bonding: up to 30 min.	after approx. 24 h	cream	–	9 months	frost-free
<b>STAUF D 20</b>	5-20 min.	5-25 min.	after approx. 24 h	cream	–	9 months	frost-free
<b>STAUF D 6</b>	5-15 min.	5-20 min.	after approx. 24 h	cream	–	9 months	frost-free
<b>STAUF D 3</b>	5-10 min.	5-20 min.	after approx. 24 h	cream	–	9 months	frost-free
<b>STAUF R 105</b>	–	approx. 50 min.	after 12-24 h	beige	approx. 30 min.	12 months	–
<b>STAUF D 5</b>	5-15 min.	10-25 min.	after approx. 24 h	cream	–	9 months	frost-free
<b>STAUF D 8</b>	0-10 min.	5-15 min.	after approx. 24 h	cream	–	9 months	frost-free
<b>STAUF D 11</b>	5-15 min.	5-15 min.	after approx. 24 h	cream	–	9 months	frost-free

Conductive	Flash time	Open time	Accessibility	Colour	Leak resistance	Shelf life	Storage and transport requirement
<b>STAUF D 3-L</b>	0-5 min.	5-15 min.	after approx. 24 h	grey	< 3x10 <sup>5</sup> Ω	9 months	frost-free

Fixatives	Flash time	Open time	Accessibility	Colour	Application	Shelf life	Storage and transport requirement
<b>STAUF D 70</b>	15-30 min.	60-80 min.	immediate	white	carpet tiles	9 months	frost-free
<b>STAUF CT FIX</b>	approx. 10-45 min.	Textile coverings: 10-15 min. Elastic coverings: 20-30 min. SL tiles: up to 4 h	immediate up to 24 h	white	universal	9 months	frost-free

These short product descriptions cannot, of course, include all relevant details. We therefore recommend that you always refer to the technical data sheets. All information on the open time, accessibility, drying time and flash time relates to a room temperature of 20°C and a humidity of 65%.

## PRODUCT OVERVIEW MOUNTING ADHESIVES

The following table indicates which products are suitable for mounting different substrates:

		Stair edge trims	Repairing parquet	Skirting	Profile strips	Trim mouldings	Panels (timber-backed)	Clinker/bricks	Glass-, wood- and mineral fibre panels	Styrofoam boards	Moltoprene pyramid boards	Skirting (timber, PVC)	Textile and elastic coverings for bonding to walls
Mounting adhesives	STAUF EXTREME TACK		i	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	STAUF REPACOLL S	i	✓	✓	✓	✓	✓	✓	✓			i	
	STAUF D 22 HV									i	i		✓
	STAUF F 90 AF	✓		✓	✓	✓			✓			✓	i
	STAUF EXTRA AF	✓		✓	✓	✓			✓			i	i

- ✓ Product is very suitable or recommended; please refer to technical data sheet.
- i Product is suitable with reservations; please refer to technical data sheet or contact the STAUF technical service department.

## PRODUCT PROPERTIES MOUNTING ADHESIVES

The following table contains further properties of the mounting adhesive products:

Mounting adhesives	Open time	Flash time	Accessibility	Shelf life	Colour	Storage and transport requirement
STAUF EXTREME TACK	approx. 15 min.	–	approx. 4-48 h	12 months	white	frost-free
STAUF REPACOLL S	approx. 5-10 min.	–	approx. 1-24 h	12 months	beige	–
STAUF D 22 HV	approx. 5-20 min.	0-10 min.	approx. 24 h	9 months	cream	frost-free
STAUF F 90 AF	approx. 90 min.	10-20 min.	immediate	6 months	beige	*
STAUF EXTRA AF	approx. 90 min.	10-15 min.	immediate	12 months	beige	*

These short product descriptions cannot, of course, include all relevant details. We therefore recommend that you always refer to the technical data sheets. All information on the open time, accessibility, drying time and flash time relates to a room temperature of 20°C and a humidity of 65%.

\*see technical data sheet

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— seit 1828 —

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## A

Accessories ..... 52-53  
Application Roller ..... 52

## B

Barrier primer ..... 12-13  
Bonding of design flooring ..... 35  
Bonding of linoleum and  
textile flooring ..... 37  
Bonding of PVC and CV flooring... 36  
Bonding of universal and  
rubber flooring ..... 38-39

## C

Cartridge gun ..... 52  
Casting resin ..... 19  
Cement screed ..... 15-17  
Cleaning agents ..... 53  
Cleaning wipes ..... 53  
Cold glue L ..... 33  
Conductive flooring adhesives ..... 40  
Contact adhesive ..... 38, 45  
Cork-PUR underlay ..... 21  
Copper conductive strip ..... 53  
CT FIX ..... 41

## D

Damping underlay ..... 21  
Decoupling board ..... 21  
Dilution ..... 46  
Dispersion fixatives ..... 41  
Dispersion primers ..... 12  
Dispersion mounting adh. .... 43, 46  
Dispersion adhesives ..... 30  
Disposable stirrer ..... 52  
D 54 ..... 12  
D 20 ..... 38  
D 37 ..... 38  
D 3 ..... 40  
D 6 ..... 39  
D 5 ..... 36  
D 50 ..... 35  
D 8 ..... 37  
D 11 ..... 37  
D 3-L ..... 40  
D 70 ..... 41  
D 22 HV ..... 46

## E

Epoxy resin primers ..... 10, 13  
Expansion strips ..... 52

EXTREME TACK ..... 43  
EXTRA AF ..... 45

## F

Filler compounds ..... 15-19  
Filling & levelling compounds. 15-19  
Fixatives ..... 41  
Floor brackets ..... 19  
Flooring adhesives ..... 35-40  
Footfall sound insulation ..... 21  
F 90 AF ..... 45  
FZ ..... 16

## G

Gypsum fillers ..... 18  
Glass-fibre fabric ..... 20  
GS ..... 18  
GS BASIC ..... 18  
GS STAND ..... 18

## I

Intensive cleaner ..... 53

## J

Joint connector ..... 19

## L

Levelling compounds ..... 15-19

## M

MULTILAYER ..... 27  
Mixing bucket ..... 52  
Mounting adhesives ..... 43-46  
Mounting contact adhesives ..... 45  
M2A 720 ..... 30

## N

Notched trowel ..... 50-51

## P

Parquet adhesives ..... 25-32  
Polyester felt ..... 21  
Polyurethane parquet adh. .... 25-32  
Polyurethane primer ..... 13  
Prickle roller ..... 52  
Primers ..... 10-13  
PUK 446 ..... 29  
PUK 447 ..... 29

PUK 455 ..... 28  
PVC adhesives ..... 35-40  
PU filler compounds ..... 19

## Q

Quartz sand ..... 20

## R

Refurbishment fabric ..... 20  
Reinforcing fibres ..... 20  
REPACOLL S ..... 44  
REPAMED ..... 33  
RM ..... 17  
R 105 ..... 39  
Repair mounting adhesive ..... 43-44  
Roller handle ..... 52

## S

Screed anchors ..... 19  
SGH 50 ..... 19  
SMP adhesives ..... 26  
SMP 930 ..... 26  
SMP 950 ..... 26  
Stain removal ..... 53  
Softshell jacket ..... 53  
Special cleaner ..... 53  
Spiral agitator ..... 52  
S PRESS ..... 32  
SPU adhesives ..... 25-32  
SPU 425 ..... 32  
SPU 555 ..... 28  
SPU 570 ..... 25  
SPU 460 ..... 27  
SSP RAPID ..... 16  
Stable filler compounds ..... 17-18  
Subfloor preparation ..... 10-21

## T

Telescopic handle ..... 52  
Textile flooring adhesives ..... 37,39  
T-shirt ..... 53  
Tools ..... 49-53  
Trowel notches ..... 50-51  
TURBO FIX ..... 17

## V

VDP 130 ..... 12  
VDP 160 ..... 12  
VEP 195 ..... 13  
VPU 155 S ..... 13  
V 2000 AF ..... 46

## W

Work trousers.....	53
Wood glue.....	33
WEP 180.....	10-11
WFR 300.....	31
WFR 360.....	31

## X

XP 10.....	15
XP 20.....	15

## The STAUF team looks forward to working with you!

We will be happy to support you with your flooring requirements. You can find the contact details of your area sales manager here:



## You can find an overview of your direct contacts at STAUF here:

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For questions about  
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#### Your contact:

sales@stauf.de  
Tel.: +49 (0) 2739 301-140

### Technical service

For questions about your  
construction sites

#### Your contact:

tech-service@stauf.de  
tel: +49 (0) 2739 301-163

### Application technology

For questions about the use  
of our products

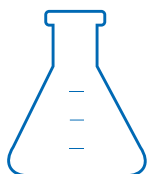
#### Your contact:

technik@stauf.de  
tel: +49 (0) 2739 301-160

All other sales partners (including contact details)  
can be found on our website:

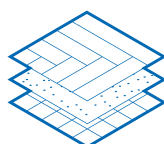


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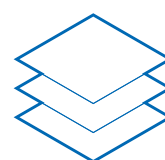
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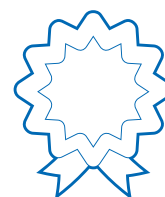
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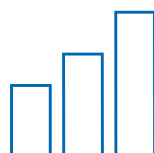
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# NOTES

## NOTES



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