

FLOORING GUIDE

Laying floors with STAUF products





"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)

CONTENTS

CONSTRUCTION LAYER SYSTEM FLOOR COVERING

Linoleum	2–3
LVT/PVC-design flooring	4–5
Carpet tiles	6–7
Textile flooring	8–9
Solid floor boards	10–11
Mosaic-and vertical-finger parquet	12–13
Multi-layer parquet	14–15

CONSTRUCTION LAYER SYSTEM SUBFLOORS

Cement screed – uneven	16
Cement screed – extremely sandy	17
Self-levelling calcium sulfate screed – poor absorptive capacity	18
Concrete – with increased residual moisture	19
Wooden floors – uneven	20
Chipboard V100 (E1), oriented strand boards – uneven	21
Tiled flooring	22
Mastic asphalt	23

PRODUCTS

Subfloor preparation	24–25
Parquet adhesives	26
Floor covering adhesives	27

PRODUCT OVERVIEW AND PROPERTIES

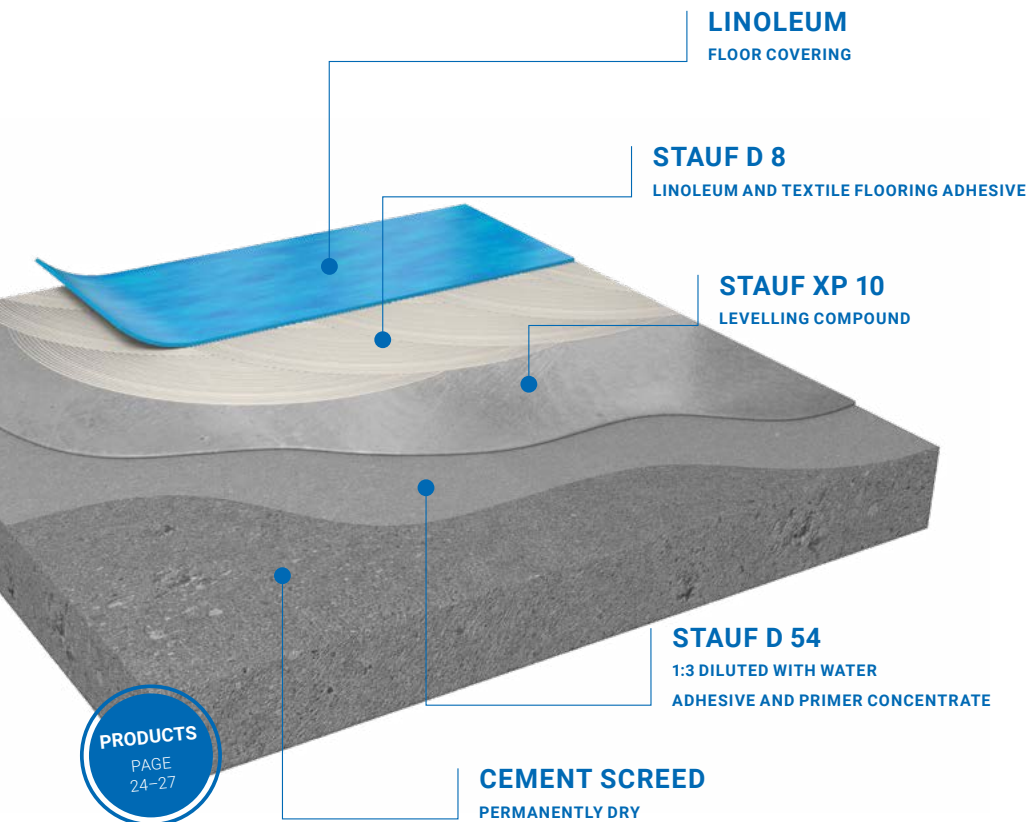
Subfloor preparation	28
Parquet adhesives	30
Floor covering adhesives	31

TESTING OBLIGATIONS

Parquet and floor layers	32–33
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LINOLEUM

CEMENT SCREED: STANDARD-COMPLIANT, NEW, PERMANENTLY DRY



Important information:

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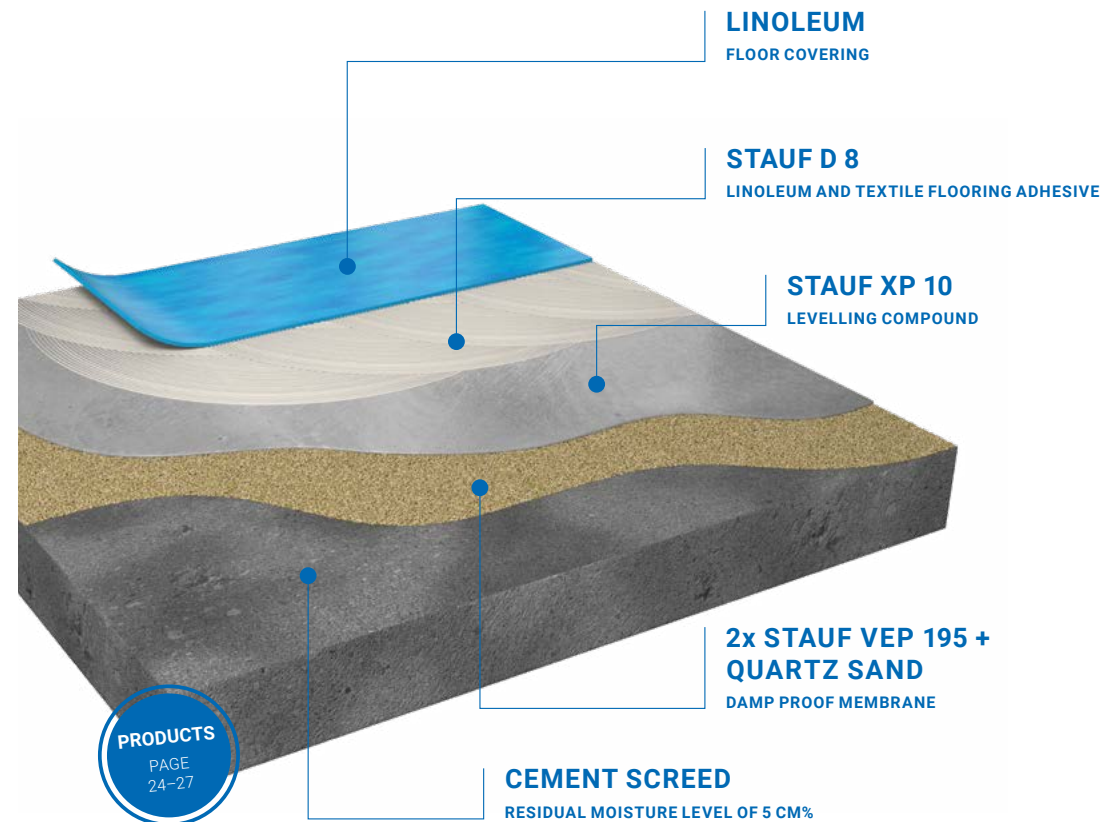
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LINOLEUM

CEMENT SCREED: STANDARD-COMPLIANT, NEW, WITH RESIDUAL MOISTURE, WITHOUT FLOOR HEATING



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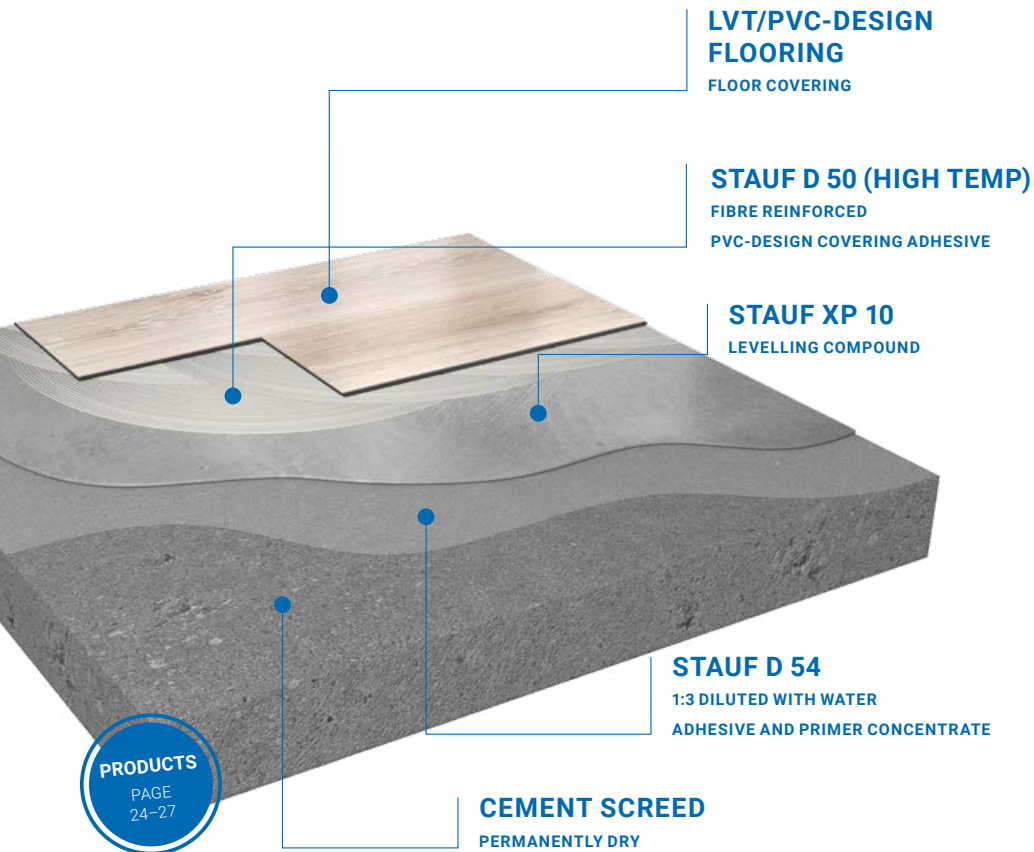
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LVT/PVC-DESIGN FLOORING

CEMENT SCREED: STANDARD-COMPLIANT, NEW, PERMANENTLY DRY



Important information:

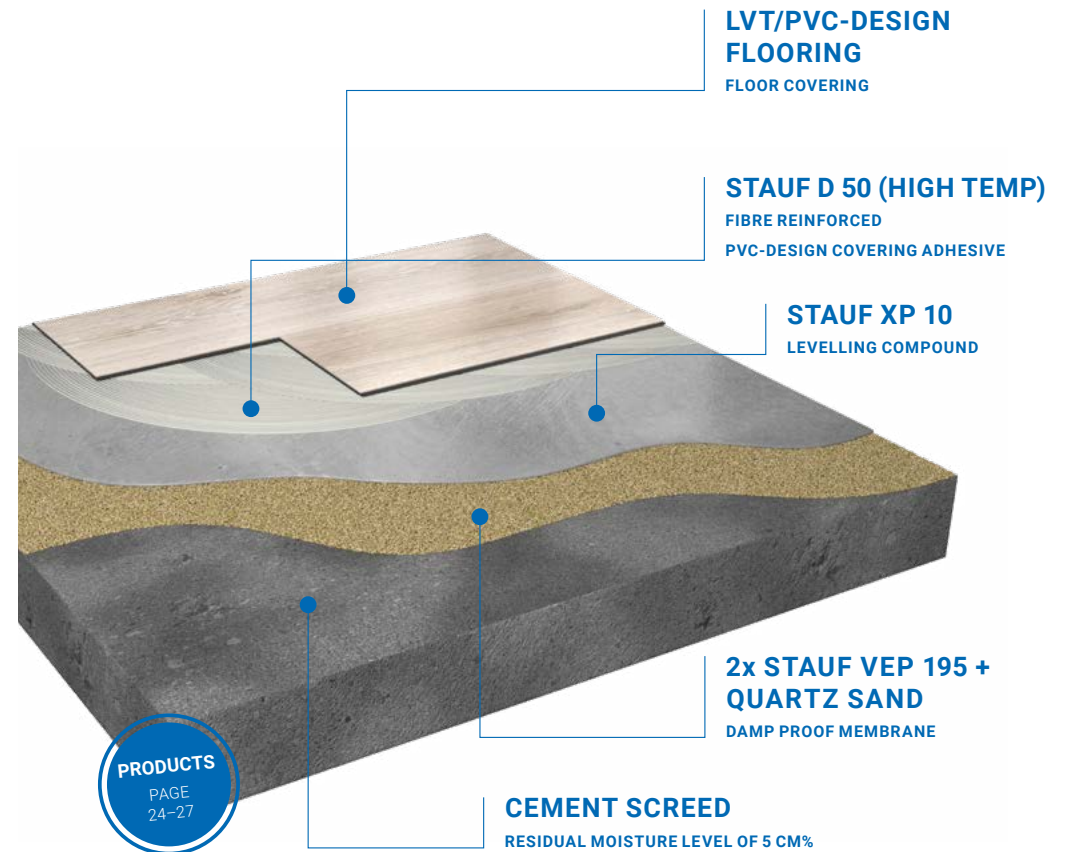
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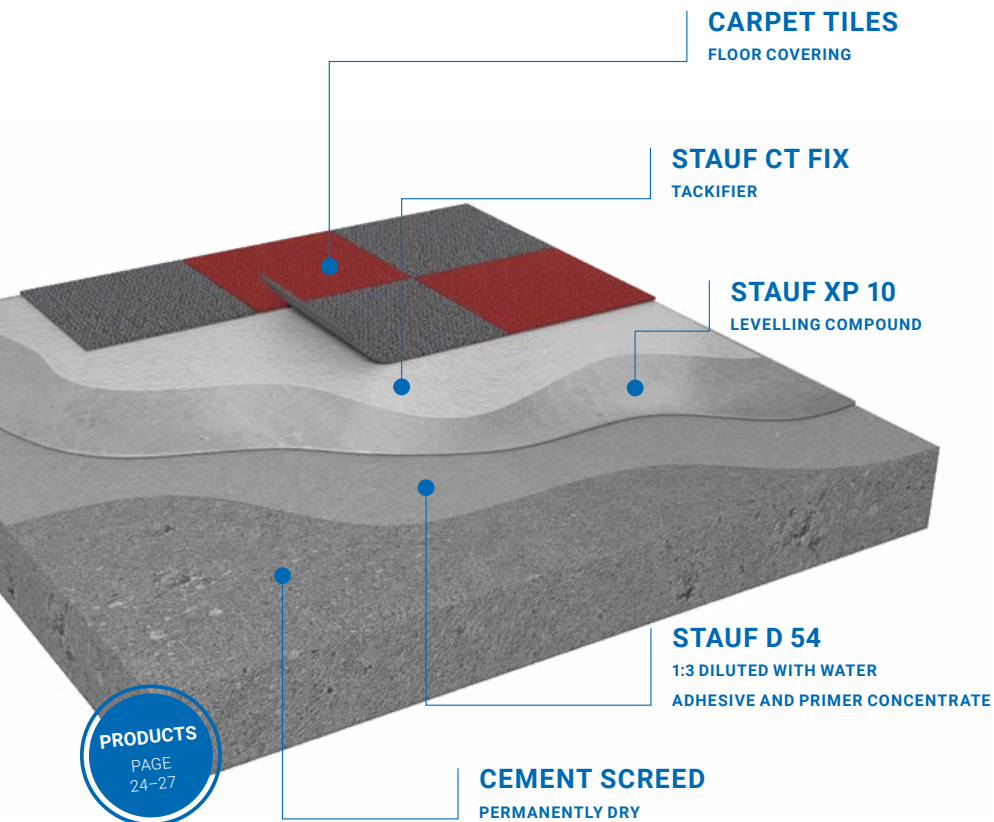
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CARPET TILES

CEMENT SCREED: STANDARD-COMPLIANT, NEW, PERMANENTLY DRY



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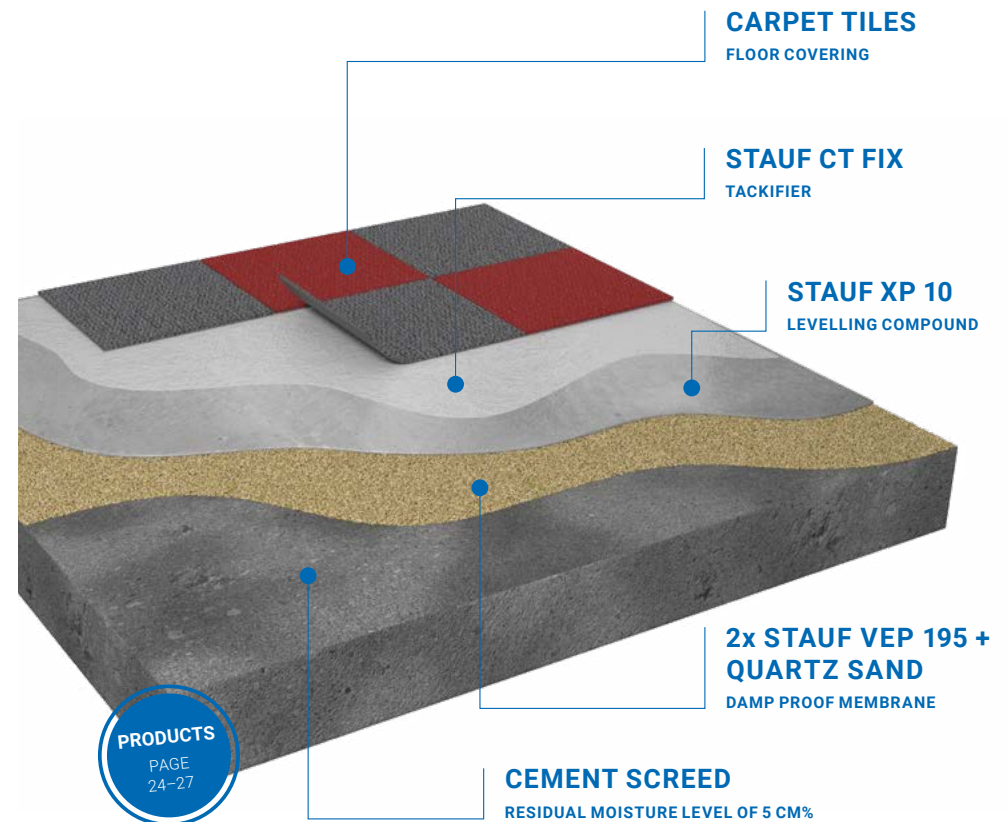
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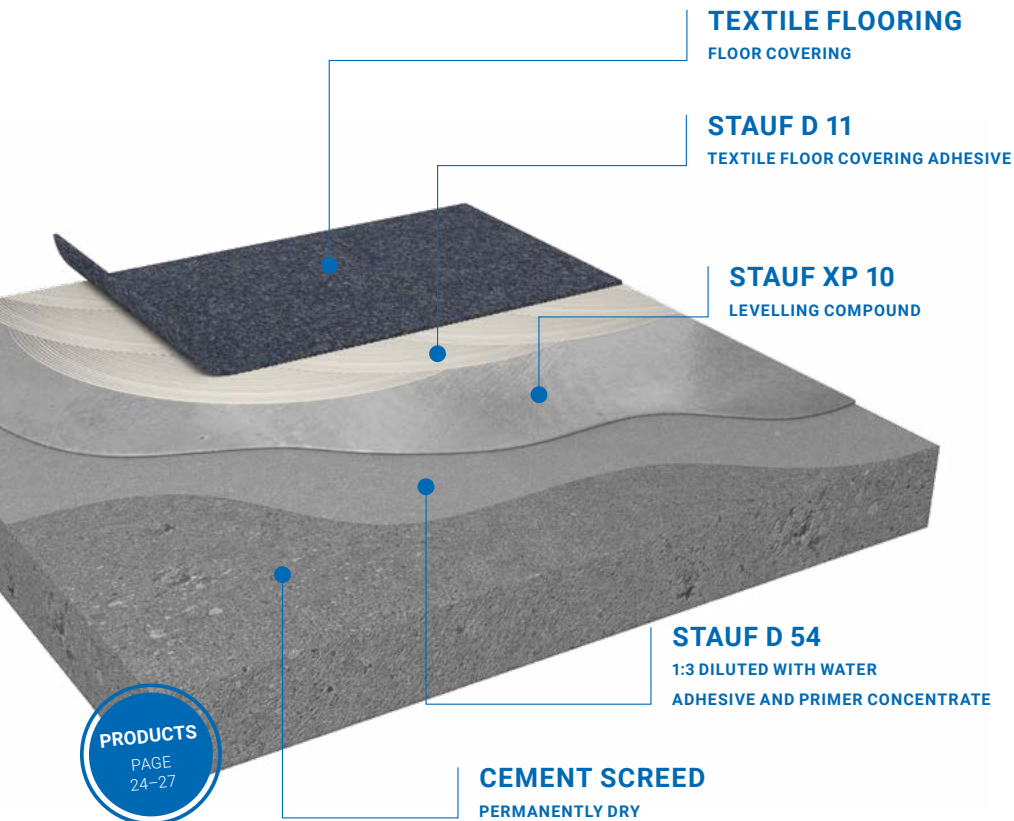
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TEXTILE FLOORING

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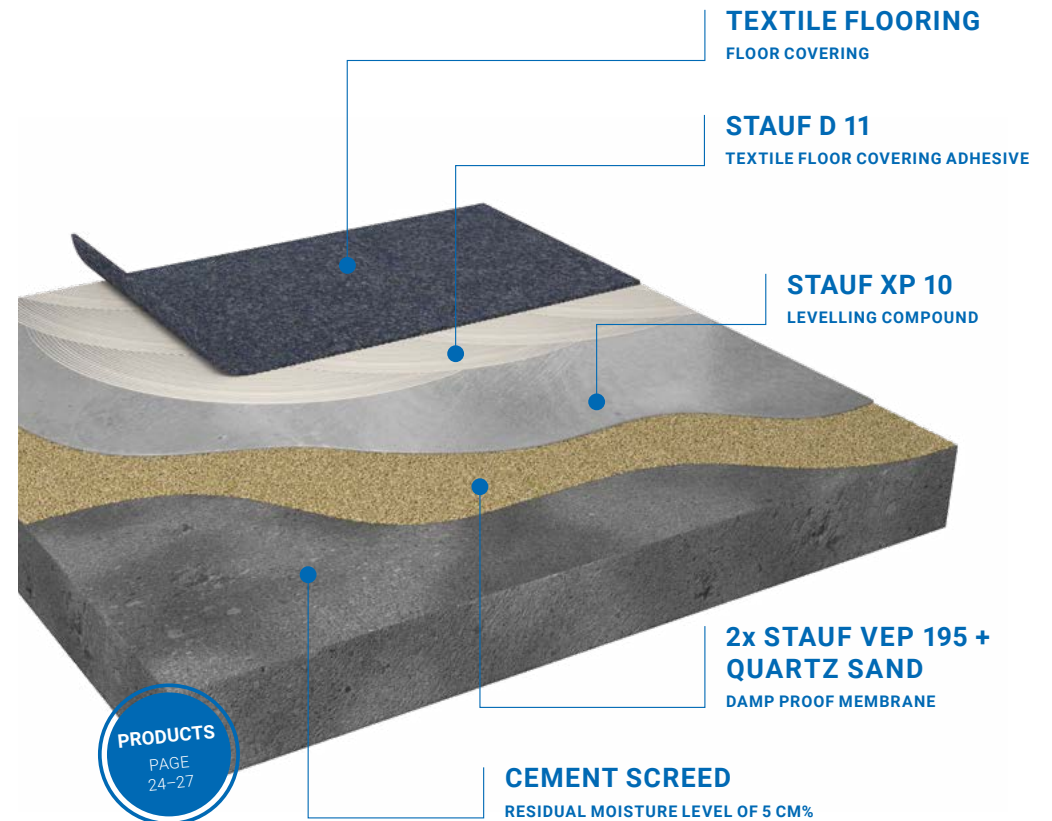
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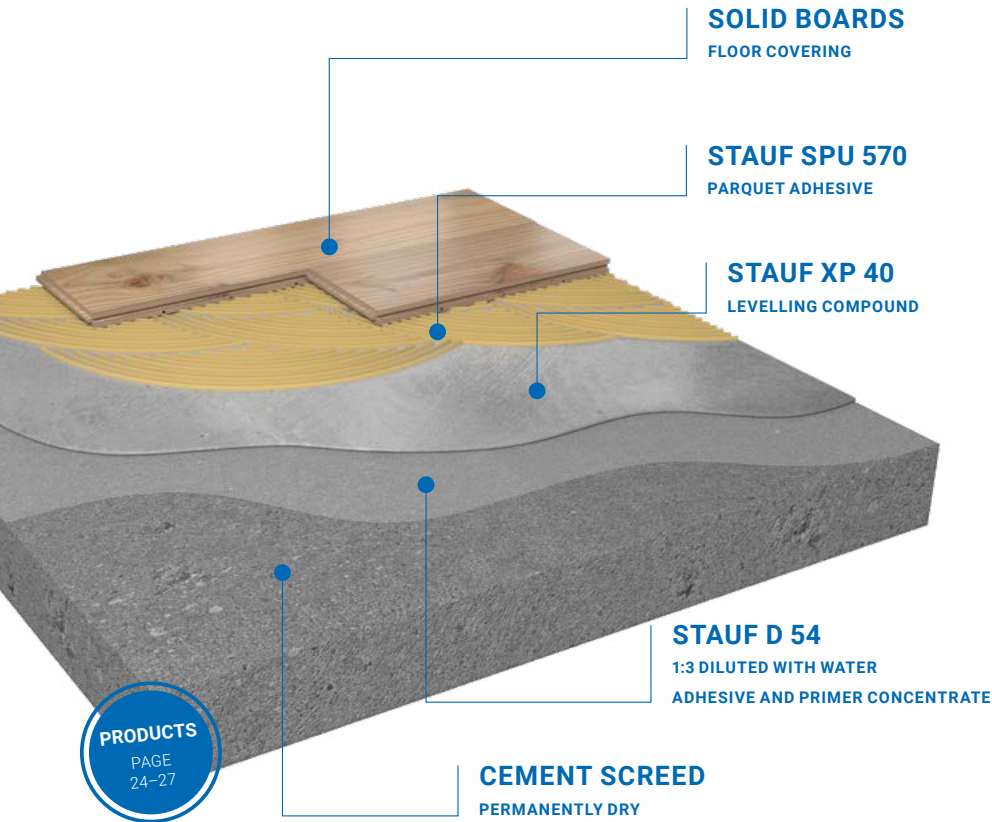
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SOLID FLOOR BOARDS

CEMENT SCREED: STANDARD-COMPLIANT, NEW, PERMANENTLY DRY



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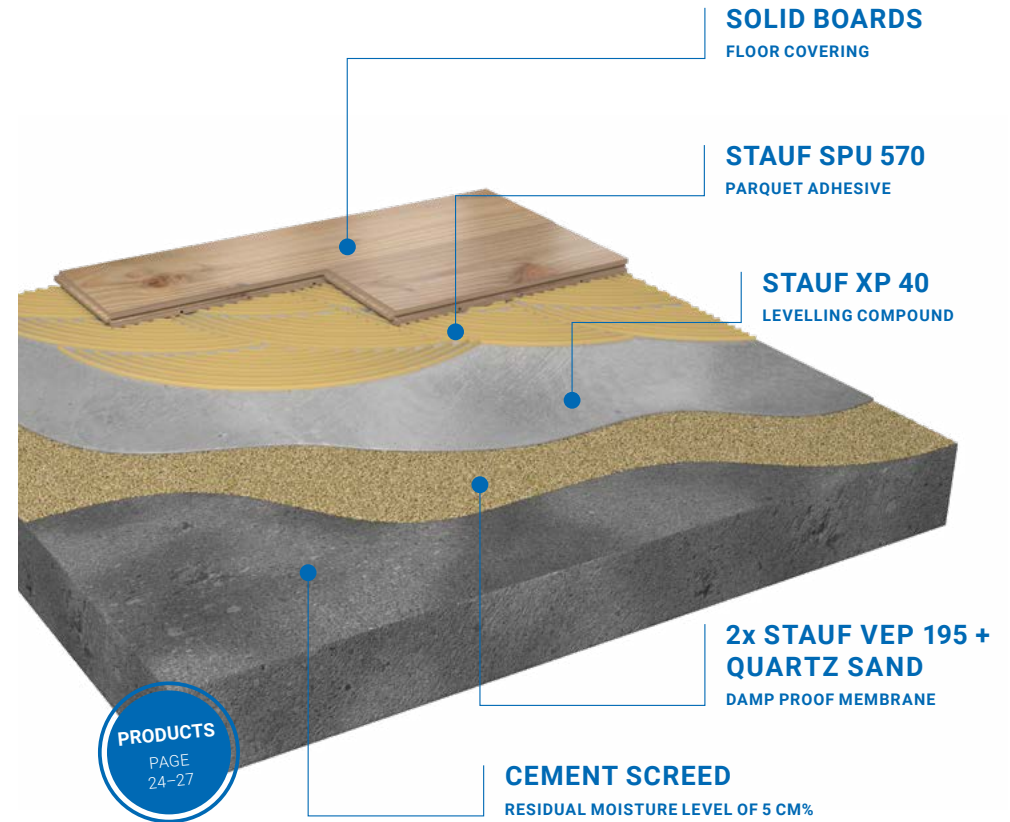
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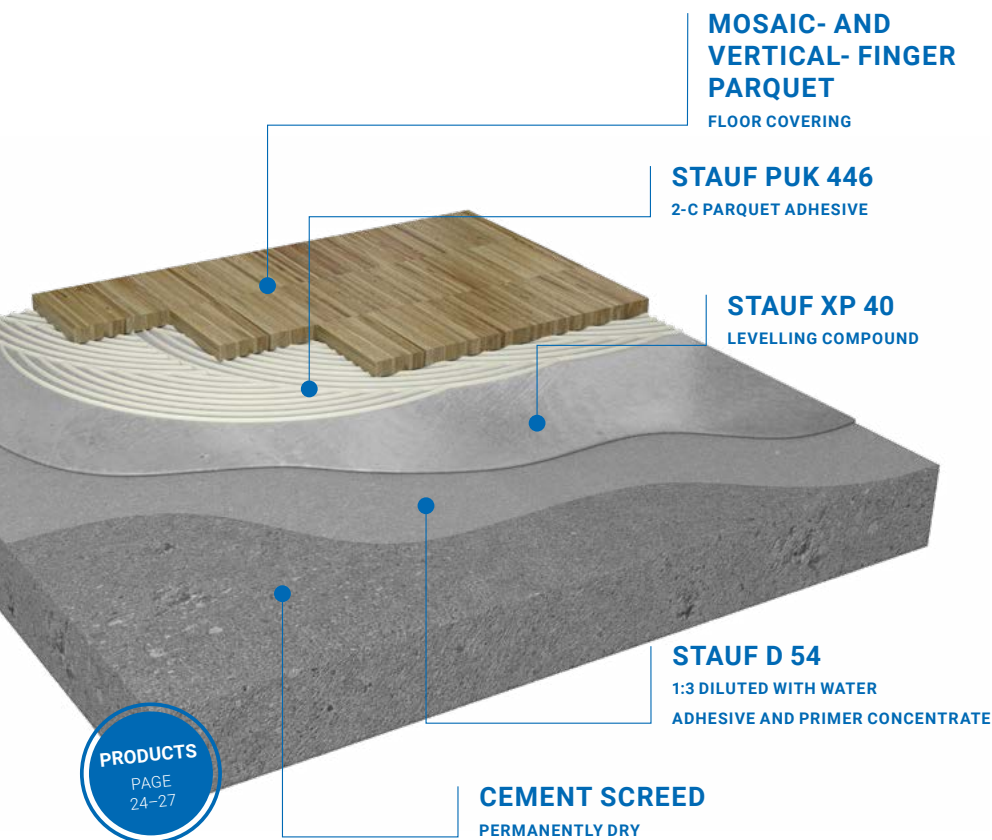
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MOSAIC- AND VERTICAL-FINGER PARQUET

CEMENT SCREED: STANDARD-COMPLIANT, NEW, PERMANENTLY DRY



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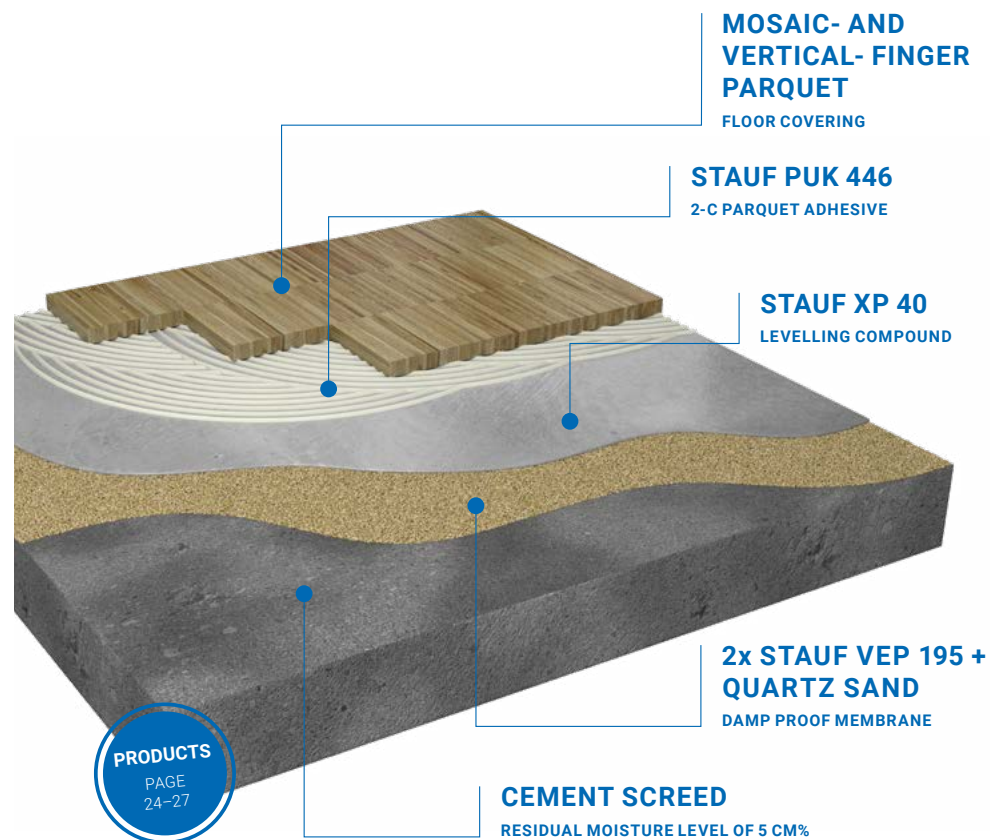
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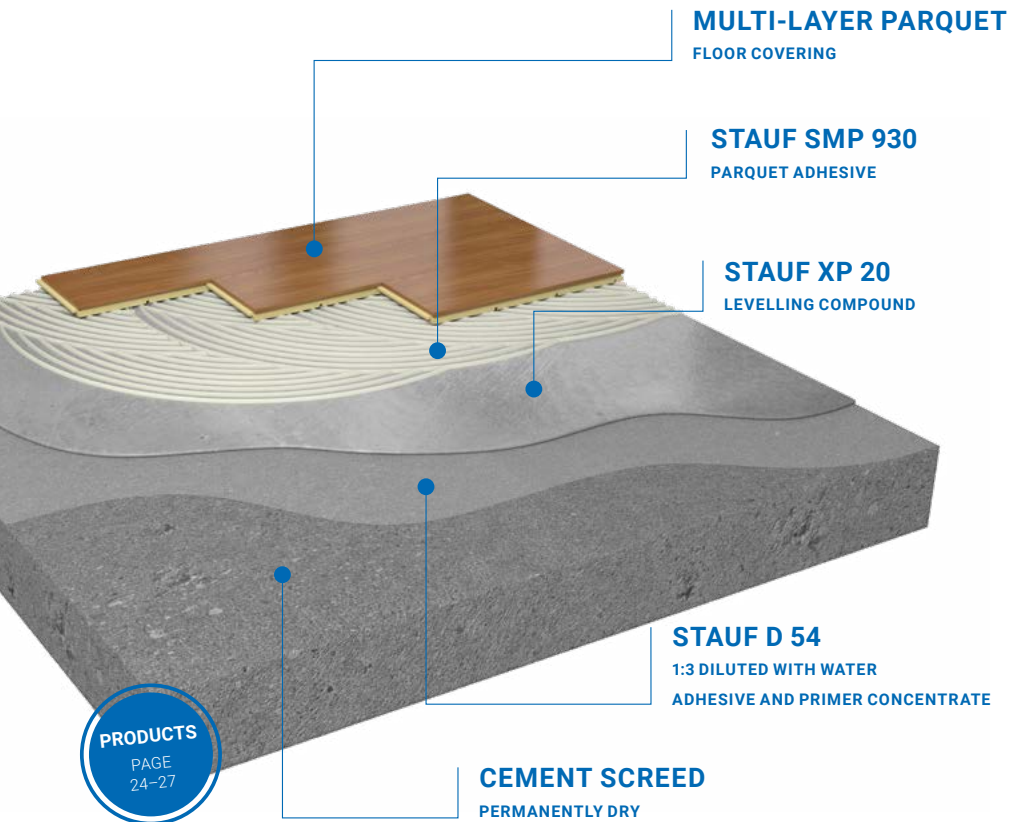
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MULTI-LAYER PARQUET

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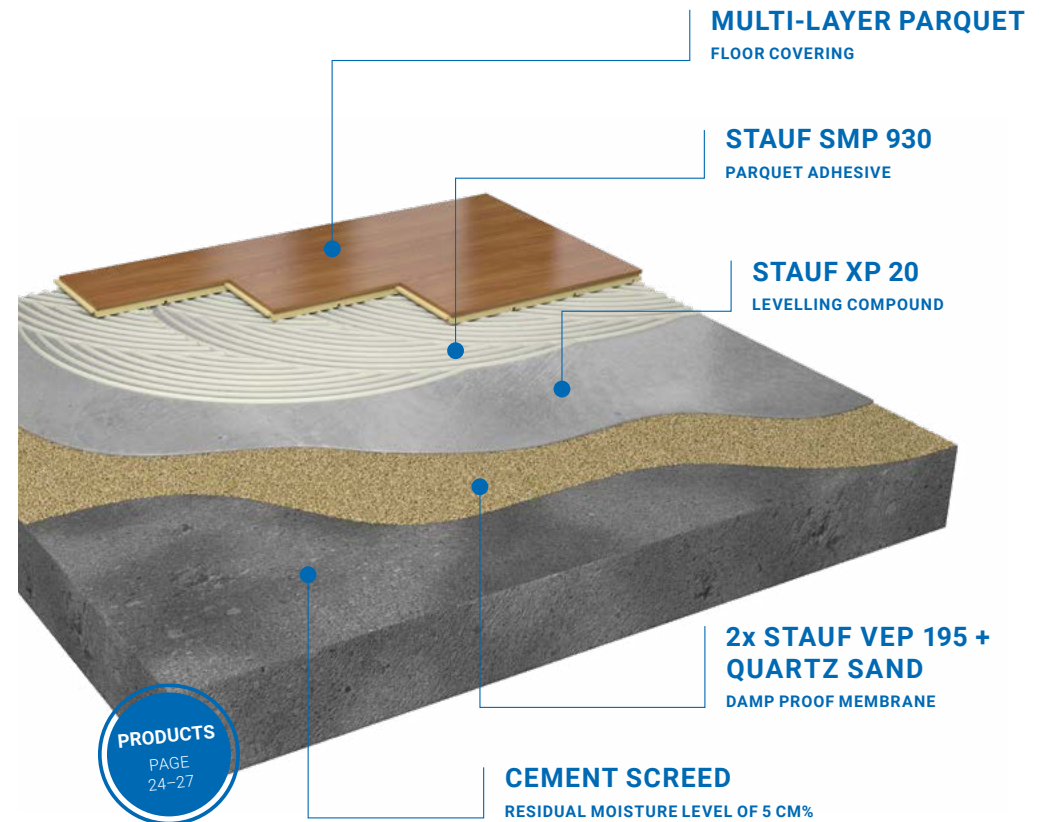
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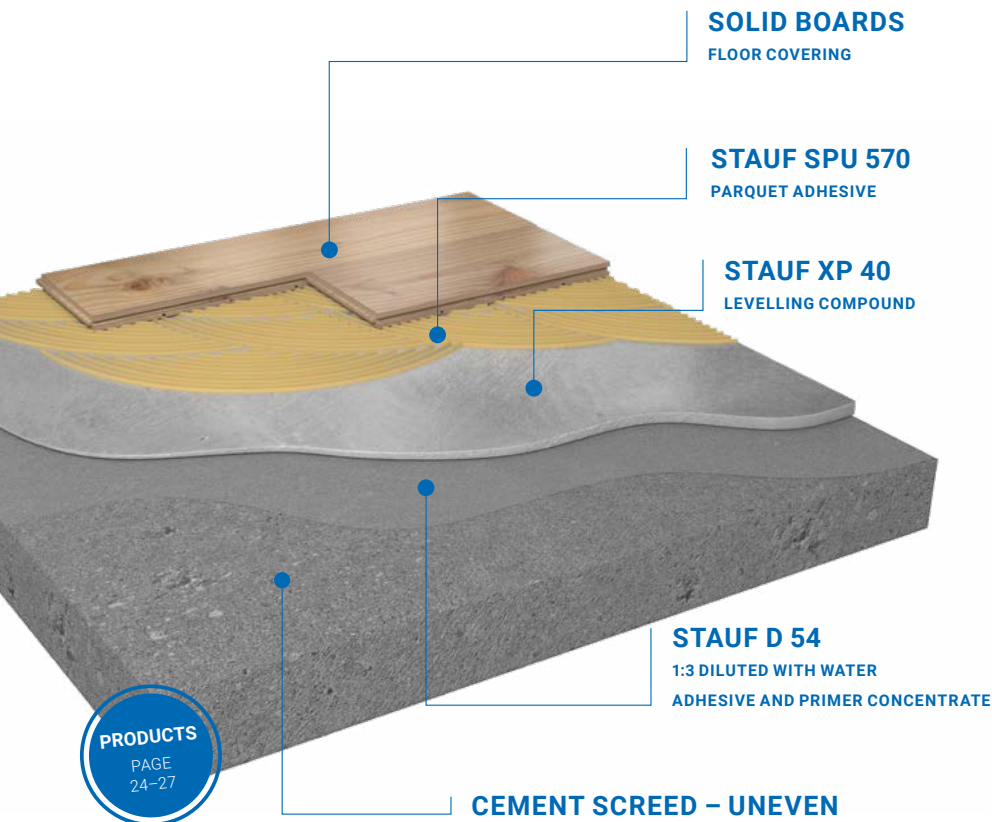
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CEMENT SCREED – UNEVEN



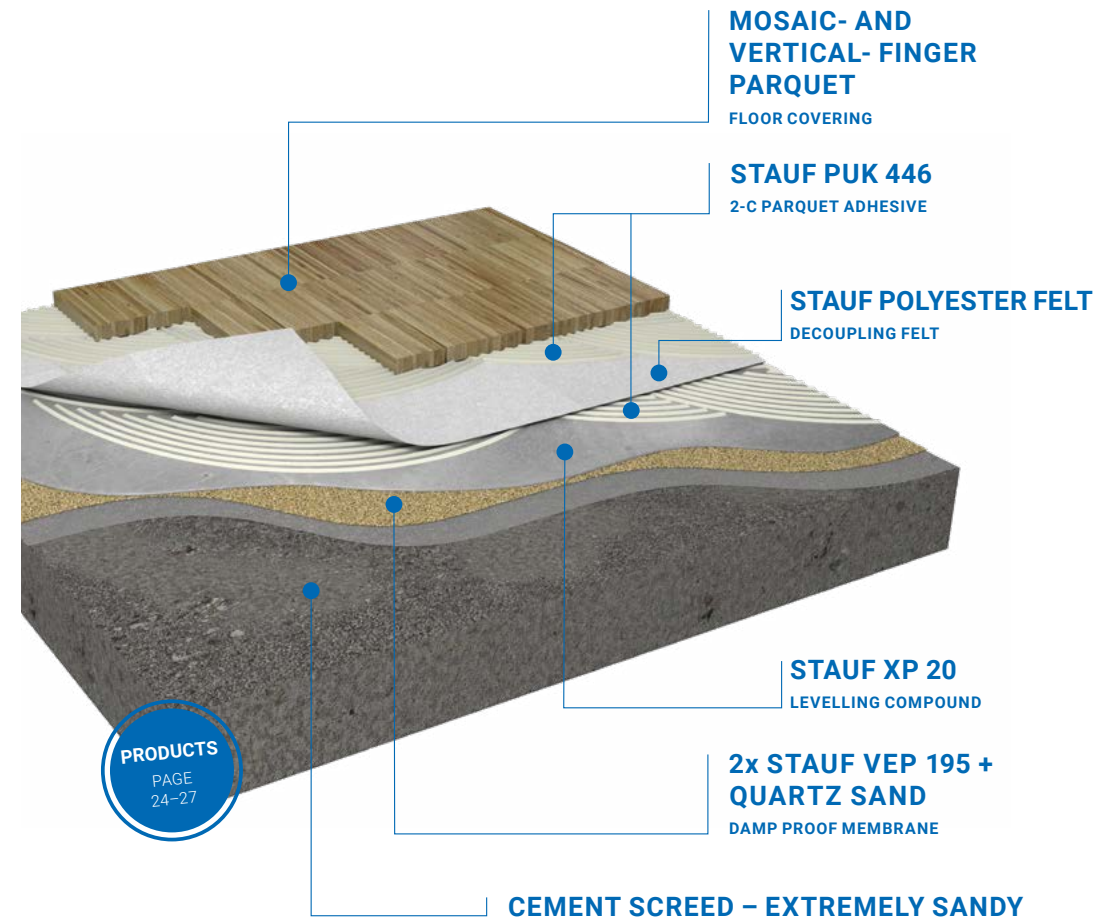
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CEMENT SCREED – EXTREMELY SANDY



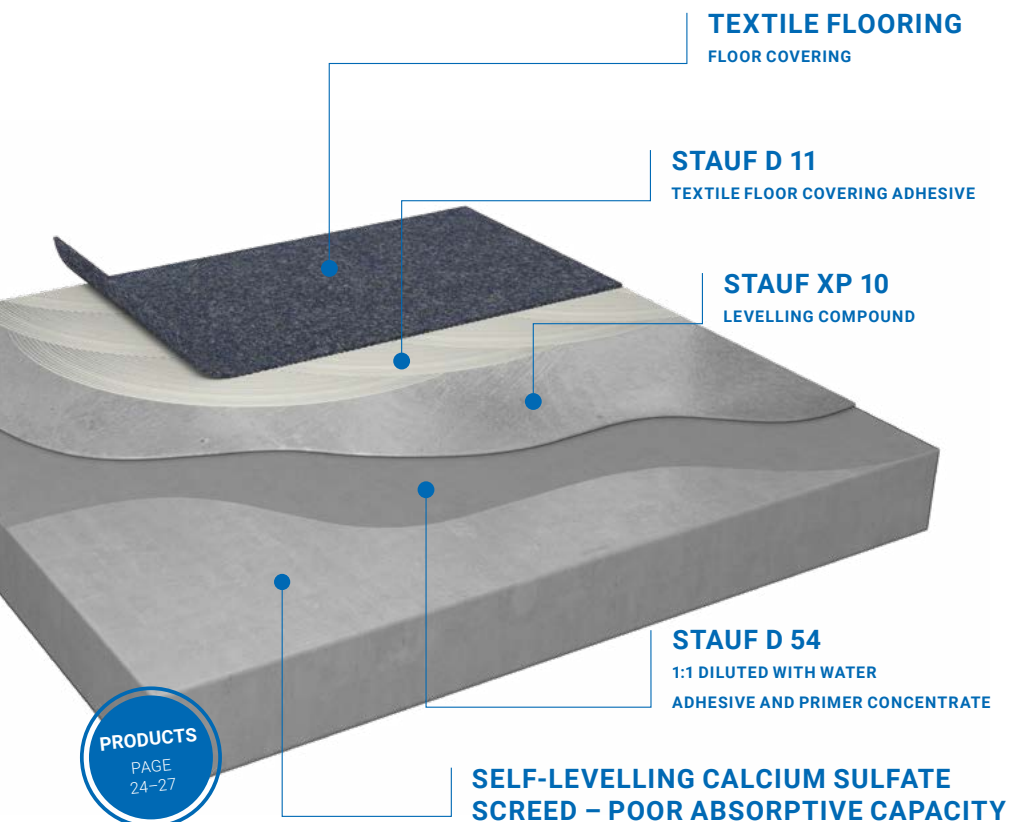
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SELF-LEVELLING CALCIUM SULFATE SCREED – POOR ABSORPTIVE CAPACITY



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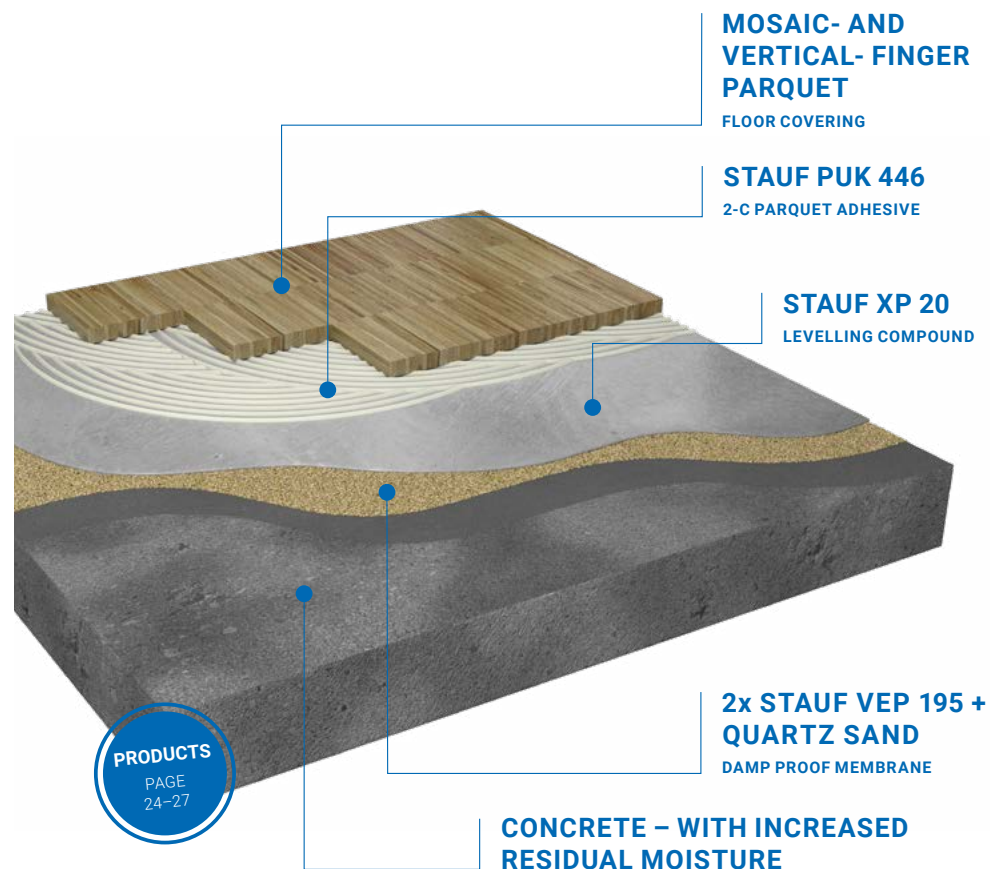
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CONCRETE – WITH INCREASED RESIDUAL MOISTURE



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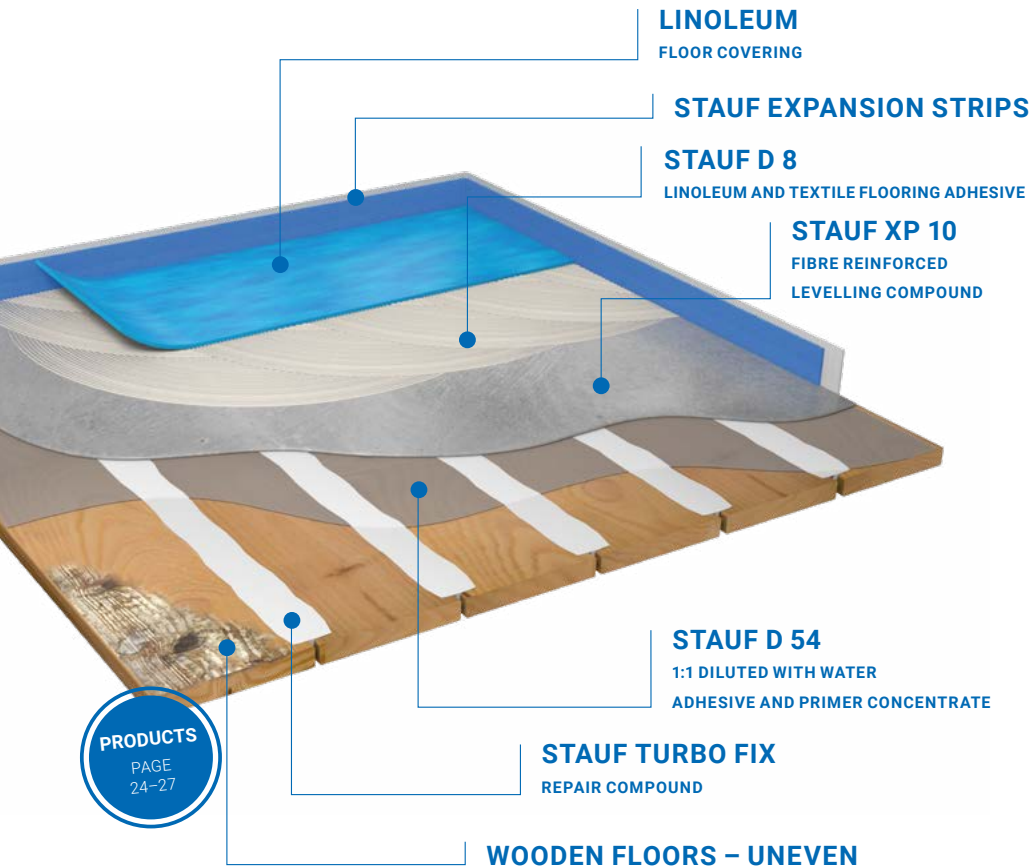
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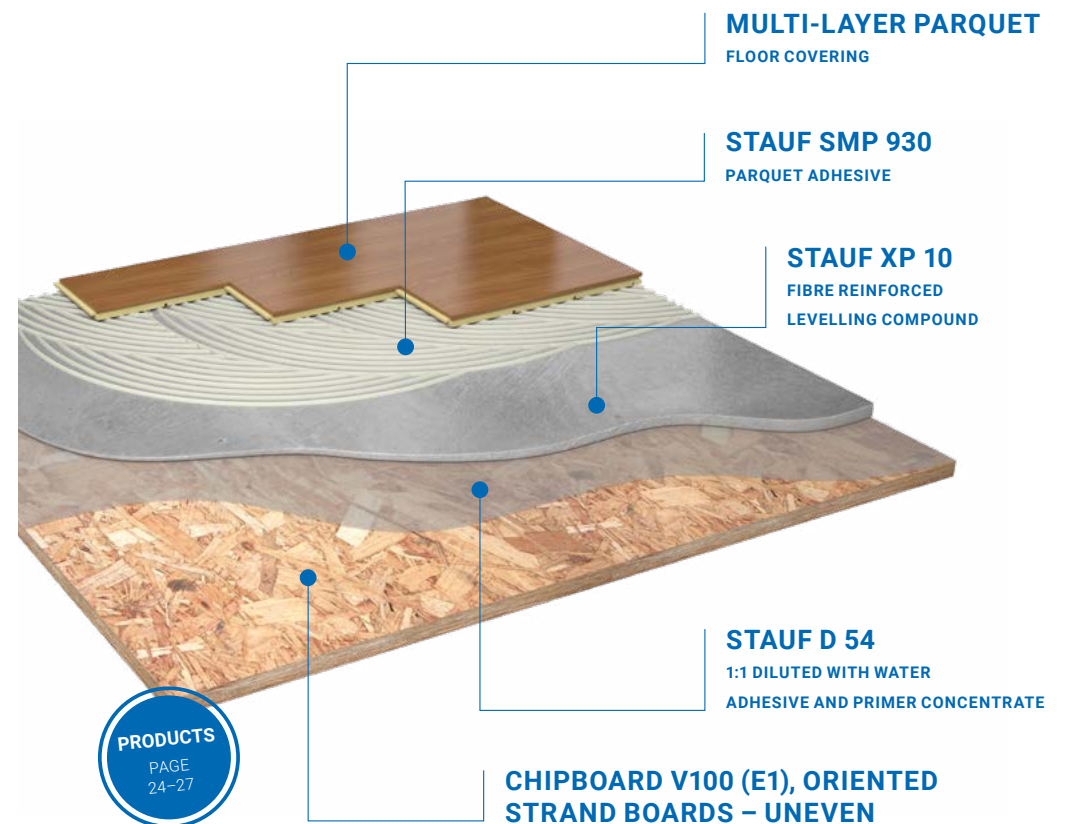
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WOODEN FLOORS – UNEVEN



CHIPBOARD V100 (E1), ORIENTED STRAND BOARDS – UNEVEN



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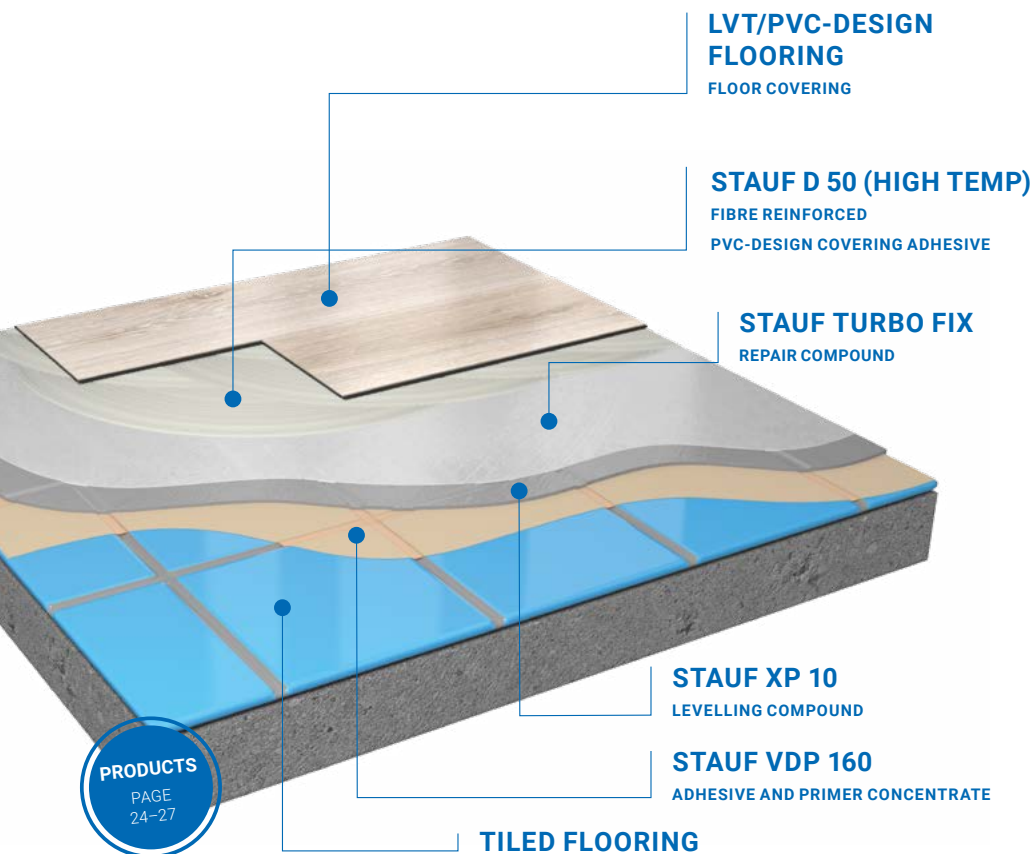
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TILED FLOORING



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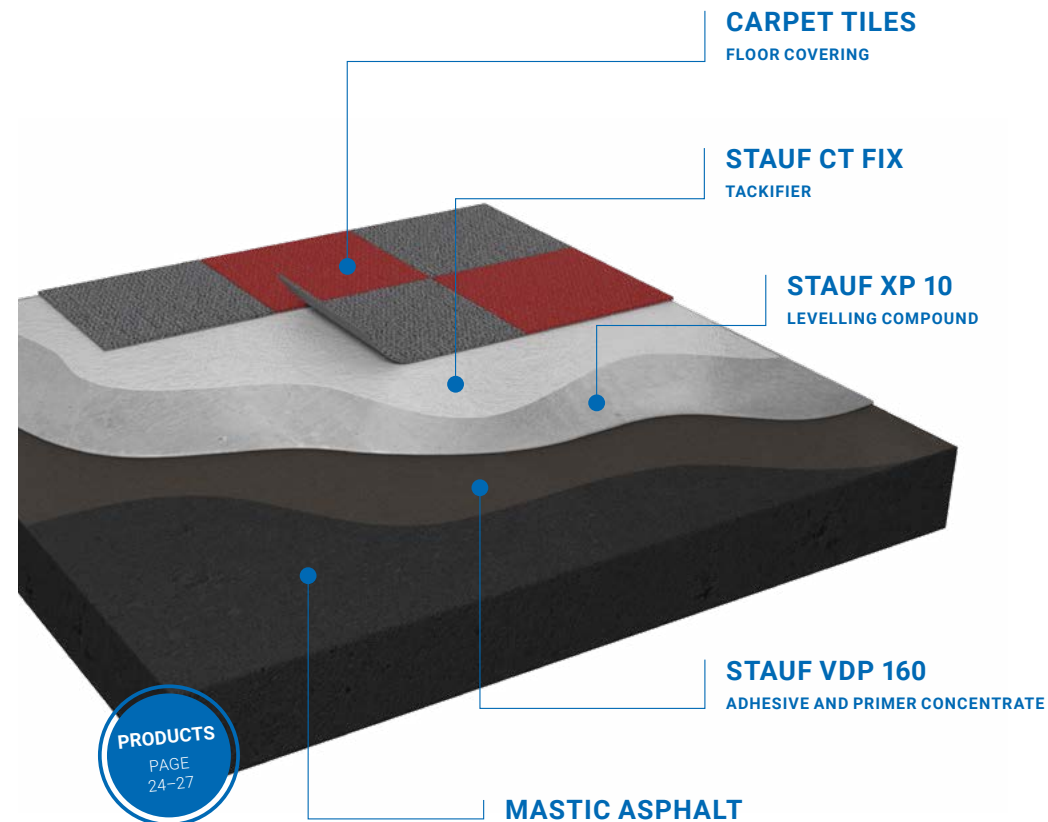
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MASTIC ASPHALT



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**D 54 DISPERSION**

Adhesive and primer concentrate with very low consumption. 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 smooth, sealed subfloors.

SPECIAL FEATURES

- ✓ Highly economical
- ✓ Dilutable concentrate
- ✓ Easy application
- ✓ Short drying times
- ✓ Binds to residual dust
- ✓ Forms a bonding course on smooth, sealed subfloors
- ✓ Solvent-free – GISCODE D1
- ✓ Very low emissions

AREAS OF USE

- ✓ Absorbent and porous substrates, e.g. fillers, cement and calcium-sulfate screeds, concrete
- ✓ Less absorbent and sealed subfloors, e.g. sanded mastic asphalt, ceramic, stone
- ✓ Priming before filling work

ARTICLE NO.	PACKAGING	CONSUMPTION	COVERAGE
131030	10 kg plastic canister	On avg. 130 g/m ²	On avg. 77 m ² (pure)

**VEP 195 EPOXY RESIN**

Damp proof membrane for reliable priming of very moist subfloors. For bonding almost all porous, absorbent and dense subfloors. Ideal for subfloors subject to very heavy loads.

SPECIAL FEATURES

- ✓ Problem-solver for old subfloors
- ✓ Suitable for universal use
- ✓ Very good adhesive power
- ✓ Very good penetrating power
- ✓ Moisture-free
- ✓ Solvent-free – GISCODE RE 1

AREAS OF USE

- ✓ Priming underneath reaction resin adhesives, e.g. under SPU, SMP and PU adhesives
- ✓ Old subfloors, e.g. waterproof levelling compound residues, PAH refurbishment
- ✓ Moisture-sensitive subfloors, e.g. magnesite and plaster floors
- ✓ U. v. n.

ARTICLE NO.	PACKAGING	CONSUMPTION	COVERAGE
116120	3 u. 10 kg combination bucket	On avg. 400 g/m ² (1st coat) On avg. 250 g/m ² (2nd coat)	On avg. 25 m ² On avg. 40 m ²

**VDP 160 DISPERSION**

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 CM%.

SPECIAL FEATURES

- ✓ Extremely economical
- ✓ Fast-drying
- ✓ Easy application
- ✓ Can be used without sanding
- ✓ Forms a bonding course on smooth, sealed subfloors
- ✓ Solvent-free – GISCODE D1

AREAS OF USE

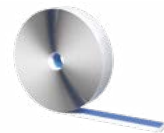
- ✓ Absorbent and porous substrates, e.g. fillers, cement and calcium-sulfate screeds, concrete
- ✓ Less absorbent and sealed subfloors, e.g. sanded mastic asphalt, ceramic, stone
- ✓ Adhesive primer prior to levelling on STAUF VEP 195

ARTICLE NO.	PACKAGING	CONSUMPTION	COVERAGE
111130	10 kg plastic canister	On avg. 125 g/m ² (1st coat)	On avg. 80 m ²

**REINFORCING FIBRES**

Reinforcement of levelling compounds. The incorporation of STAUF reinforcing fibres increases the tensile strength of the levelling compound. 0.25 kg plastic bag.

ARTICLE NO.
110150

**EXPANSION STRIPS**

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

ARTICLE NO.
110310

**XP 10 CEMENT**

Economical, self-levelling filler compound under floor coverings and multi-layer wood flooring. 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.

SPECIAL FEATURES

- ✓ Highly efficient
- ✓ Pumpable
- ✓ Very easy to sand
- ✓ Good level of strength
- ✓ Tension reducing
- ✓ Self-levelling
- ✓ Low in chromate – GISCODE ZP 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

ARTICLE NO.	PACKAGING	CONSUMPTION
133040	25 kg sack	On avg. 1,500 g/m ² per mm of coating thickness

**XP 40 CEMENT**

High-strength and low dust levelling compound for all coverings. Self-levelling cement filler for smoothing, filling and levelling. Suitable for layer thicknesses up to 40 mm in a single step. For heavy-duty use in residential, commercial and industrial areas.

SPECIAL FEATURES

- ✓ Low dust
- ✓ Coating thickness of 0.5–40 mm
- ✓ Very high strength
- ✓ Fast-drying
- ✓ Suitable for universal use
- ✓ Very high coating thickness in a single step
- ✓ Smooth and pliable during application
- ✓ Tension reducing
- ✓ Pumpable
- ✓ 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 wood-block flooring
- ✓ For dust-sensitive areas

ARTICLE NO.	PACKAGING	CONSUMPTION
133020	25 kg sack	On avg. 1,500 g/m ² per mm of coating thickness

**XP 20 CEMENT**

Levelling compound under parquet and floor coverings. Self-levelling cement filler for smoothing, filling and levelling. Suitable for layer thicknesses up to 20 mm in a single step. For heavy-duty use in residential, commercial and industrial areas.

SPECIAL FEATURES

- ✓ Efficient
- ✓ Pumpable
- ✓ Tension reducing
- ✓ Good absorbency
- ✓ Very good flow properties
- ✓ High strength
- ✓ Easy to sand
- ✓ 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

ARTICLE NO.	PACKAGING	CONSUMPTION
133030	25 kg sack	On avg. 1,500 g/m ² per mm of coating thickness

**TURBO FIX CEMENT**

The quick-fix solution. Thanks to the wide spectrum of possible applications and excellent properties, almost all types of substrate can be evened out. The repair compound bonds well to a wide range of different materials. Irregularities can be evened out to a tenth of a millimetre.

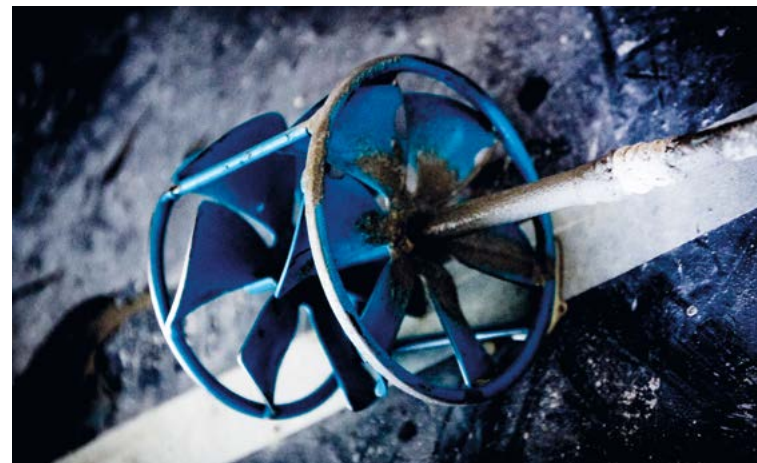
SPECIAL FEATURES

- ✓ Very fast-drying
- ✓ Ready for covering in a very short time
- ✓ Smooth and pliable during application
- ✓ Very fine-grained
- ✓ Can be used to smooth over old coverings
- ✓ High strength, yet extremely flexible
- ✓ Low in chromate – GISCODE ZP 1
- ✓ Very low emissions – PLUS

AREAS OF USE

- ✓ On stone, ceramics, terrazzo, tiles
- ✓ On metal substrates, e.g. checker plate
- ✓ On Chipboard panels V100 (E1), OSB boards and many more

ARTICLE NO.	PACKAGING	CONSUMPTION
133250	4.5 kg sack	On avg. 1,100 g/m ²
135000 (set)	2 x 4.5 kg sacks & accessories	per mm of coating thickness





SPU 570 SILANE-TERMINATED POLYURETHANES

For gluing extremely large solid boards and protecting them from residual moisture in an eco-friendly manner. For all common types of parquet. Holds, in particular, very large board formats in shape. The correct level of elasticity ensures reliable bonding to the subfloor.



SPECIAL FEATURES

- ✓ Very good dimensional consistency of large-format timber
- ✓ Hard adhesive (ISO 17178)
- ✓ Very high shear strength
- ✓ Regulates rising residual moisture
- ✓ Very easy to spread
- ✓ Free of isocyanates
- ✓ Solvent-free – GISCODE RS 10
- ✓ Very low emissions – PLUS
- ✓ Not subject to mandatory labelling

AREAS OF USE

- ✓ Solid boards (10:1 and wider!)
- ✓ Lamp parquet
- ✓ Strip parquet

Also suitable for:

- ✓ Vertical-finger parquet
- ✓ Multi-layer parquet
- ✓ Mosaic parquet
- ✓ Veneered floor coverings, subject to manufacturer approval

ARTICLE NO.	PACKAGING	CONSUMPTION	COVERAGE
126180	18 kg plastic bucket	On avg. 1,000–1,900 g/m ²	On avg. 10–18 m ²



SMP 930 SILANE-MODIFIED POLYMERS

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



SPECIAL FEATURES

- ✓ Time-saving thanks to primer-free application
- ✓ Hardelastic adhesive (ISO 17178)
- ✓ Tension reducing
- ✓ Quick-setting
- ✓ Very easy to spread
- ✓ Good ridge formation
- ✓ 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

ARTICLE NO.	PACKAGING	CONSUMPTION	COVERAGE
125140	18 kg plastic bucket	On avg. 1,050–1,300 g/m ²	On avg. 14–17 m ²



PUK 446 2-COMPONENT POLYURETHANES

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 and for difficult subfloors. Furthermore, it is suitable for bonding of all common parquet types on many subfloors.



SPECIAL FEATURES

- ✓ For universal use
- ✓ Long processing time
- ✓ Hard adhesive (ISO 17178)
- ✓ Fast-setting
- ✓ Very high shear strength
- ✓ Very easy to spread
- ✓ Very good ridge formation
- ✓ Solvent-free – GISCODE RS 10
- ✓ Very low emissions – PLUS

AREAS OF USE

- ✓ Lamp parquet
- ✓ Strip parquet
- ✓ Vertical-finger parquet
- ✓ Mosaic parquet
- ✓ Solid boards

Also suitable for:

- ✓ Multi-layer parquet
- ✓ Veneered floor coverings, subject to manufacturer approval

ARTICLE NO.	PACKAGING	CONSUMPTION	COVERAGE
124220	8.9 kg plastic bucket	On avg. 1,100–1,600 g/m ²	On avg. 6–8 m ²



D 50 DISPERSION

Fibre-reinforced PVC design flooring adhesive for high dimensional consistency. The combination of firm adhesive grooving and permanent fibres creates a very high shear strength. This minimises seam shrinkage and deformation in PVC design flooring.



SPECIAL FEATURES

- ✓ Very low consumption
- ✓ Very good initial adhesion
- ✓ Very easy to spread
- ✓ Wet-bonding adhesive
- ✓ High dimensional consistency in coverings thanks to high shear strength
- ✓ High final strength
- ✓ Solvent-free – GISCODE D 1
- ✓ Very low emissions – PLUS

AREAS OF USE

- ✓ PVC design flooring
- ✓ PVC, homogeneous/heterogeneous
- ✓ Quartz-vinyl tiles
- ✓ CV flooring
- ✓ Also suitable for:
 - ✓ Fitted carpet with synthetic double backing
 - ✓ Tufted carpet with fleece or foam backing

ARTICLE NO.	PACKAGING	CONSUMPTION	COVERAGE
141060	14 kg plastic bucket	On avg. 295 g/m ²	On avg. 47 m ²



D 11 DISPERSION

Its hardelastic adhesive grooving minimises seam shrinkage in coverings with low dimensional consistency. The excellent initial adhesion makes it easier to fit the textile covering. The STAUF D 11 is especially suitable for needle fleece and Kugelgarn® in areas with heavy use.



SPECIAL FEATURES

- ✓ Optimum open time
- ✓ Very good initial adhesion
- ✓ Minimises seam shrinkage
- ✓ High dimensional consistency
- ✓ Sets rapidly
- ✓ Wet-bonding adhesive
- ✓ Very easy to spread
- ✓ Solvent-free – GISCODE D 1
- ✓ Very low emissions – PLUS

AREAS OF USE

- ✓ Kugelgarn®
- ✓ Needle fleece
- ✓ Fitted carpet with synthetic double backing
- ✓ Tufted carpet with fleece or foam backing
- ✓ Natural-fibre flooring, coco/sisal latex-coated
- ✓ Also suitable for:
 - ✓ CV flooring

ARTICLE NO.	PACKAGING	CONSUMPTION	COVERAGE
141250	14 kg plastic bucket	On avg. 325–400 g/m ²	On avg. 35–43 m ²



D 8 DISPERSION

Time-saving and dimensionally consistent bonding of linoleum and textile flooring. STAUF D 8 counteracts the shrinkage of linoleum and textile flooring thanks to its hardelastic adhesive grooving. The good initial adhesion facilitates the fitting of stubborn coverings.



SPECIAL FEATURES

- ✓ Short flash time allows time-saving work
- ✓ Very good initial adhesion
- ✓ Very good wetting
- ✓ High dimensional consistency
- ✓ Very easy to spread
- ✓ Wet-bonding adhesive
- ✓ Solvent-free – GISCODE D 1
- ✓ Very low emissions

AREAS OF USE

- ✓ Linoleum in sheets/tiles with a thickness of up to 4 mm
- ✓ Needle fleece
- ✓ Also suitable for:
 - ✓ Kugelgarn®
 - ✓ Fitted carpet with synthetic double backing

ARTICLE NO.	PACKAGING	CONSUMPTION	COVERAGE
141360	14 kg plastic bucket	On avg. 400 g/m ²	On avg. 35 m ²



CT FIX DISPERSION

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. Can be removed with water. It is therefore very suitable for buildings that are frequently renovated.



SPECIAL FEATURES

- ✓ Low consumption
- ✓ Easy to remove
- ✓ Very good initial adhesion
- ✓ Very easy to roll out
- ✓ Permanently sticky adhesive film
- ✓ Solvent-free – GISCODE D 1
- ✓ Very low emissions

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

ARTICLE NO.	PACKAGING	CONSUMPTION	COVERAGE
141120	5 kg plastic canister 25 kg plastic canister	On avg. 100 g/m ²	On avg. 50 m ² On avg. 250 m ²



SUBFLOOR PREPARATION

PRODUCT OVERVIEW AND PROPERTIES

		STAUF levelling compounds	Cement screeds	Calcium sulfate screed, self-levelling calcium sulfate screed	Concrete	Wooden floors (parquet, boards)	Chipboard V100 (E1), oriented strand boards	Unlaminated gypsum fibre boards	Magnesite and plaster screeds	Sanded mastic asphalt	Stone, ceramic, terrazzo, tiles
Priming	STAUF D 54	✓	✓	✓	✓	✓	✓	i		✓	i
	STAUF VDP 160	✓	✓	✓	✓	✓	✓	i		✓	✓
	STAUF VEP 195	i	✓	✓	✓	✓	✓	✓	✓	✓	✓
Smoothing, filling, levelling	STAUF XP 10	i	✓	✓	✓	i	i	i	✓	i	✓
	STAUF XP 20	i	✓	✓	✓	i	i	i	✓	i	✓
	STAUF XP 40	i	✓	✓	✓	i	i	i	✓	i	✓
	STAUF TURBO FIX	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Reinforcing, damping	Damping underlay	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Reinforcing fibres	i	i	i	i	✓	✓	✓	i	i	i

- ✓ Product is 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 application technology department.

Primer	Drying time	Potlife	Max. residual moisture	Storage and transport requirement	Shelf life	Colour
STAUF VEP 195	approx. 16–72 h	30–45 min	5.0 CM%	–	12 months	lightly yellowish (mixed)
STAUF D 54	approx. 1–15 h	–	–	frost-free	12 months	white
STAUF VDP 160	approx. 1–15 h	–	3.0 CM%	frost-free	12 months	cream

Levelling compound	Accessible	Ready for flooring installation	Coating thickness mm	Storage and transport requirement	Shelf life	Load
STAUF XP 10	approx. 3 h	min. 24 h	1–10	dry	9 months	normal
STAUF XP 20	approx. 2 h	min. 16 h	1–20	dry	9 months	high
STAUF XP 40	approx. 2 h	min. 12 h	0.5–40	dry	9 months	very high
STAUF TURBO FIX	approx. 20–30 min	Floor coverings approx. 1 h Parquet & cork approx. 12 h	0–5	dry	6 months	high

These short product descriptions for our products 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%.

TRIPLE
XXX
SERIES



Ultimate performance on the ground.

PARQUET ADHESIVES

PRODUCT OVERVIEW AND PROPERTIES

Reaction resin																			
STAUF SPU 570	✓	✓	✓	✓	✓	✓	✓	W/o	W	W/o	W	W/o	W	W/o	W	W/o	W		
STAUF SMP 930	❗	✓	✓	✓	✓	❗		❗	❗	✓	✓	❗	❗						❗
STAUF PUK 446	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	❗	❗

w/o = without surface treatment
w = with surface treatment

- ✓ Product is 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 application technology department.

Reaction resin adhesives	Open time	Accessibility	Shelf life	Colour	Grindability
STAUF SPU 570	approx. 20 min	after approx. 24 h	12 months	light brown	after approx. 24 h
STAUF SMP 930	approx. 30 min	after approx. 48 h	12 months	beige	after approx. 24 h
STAUF PUK 446	45–60 min	after approx. 24–48 h	9 months	beige	after approx. 24 h

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%.

FLOOR COVERING ADHESIVES

PRODUCT OVERVIEW AND PROPERTIES

		Fitted carpet with synthetic double backing	Tufted carpet with fleece or foam backing	Needle fleece	Kugelgarn®	Natural-fibre flooring, coco/sisal latex-coated	Self-laying carpet tiles	PVC homogeneous/heterogeneous, quartz-vinyl tiles	PVC design flooring	CV flooring	Linoleum in sheets/tiles with a thickness of up to 4 mm	Various types of sports facility flooring, e.g. in tennis halls
Floor covering adhesives	STAUF D 50	i	i					✓	✓	✓		✓
	STAUF D 8	i		✓	i						✓	✓
	STAUF D 11	✓	✓	✓	✓	✓		i		i		✓
Fixatives	STAUF CT FIX	i	✓				✓	i		✓		

- ✓ Product is 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 application technology department.

Floor covering adhesives	Open time	Accessibility	Flash time	Potlife	Shelf life	Colour
STAUF D 50	5–20 min	after approx. 24 h	5–10 min	–	9 months	cream
STAUF D 8	5–15 min	after approx. 24 h	0–10 min	–	9 months	cream
STAUF D 11	10–20 min	after approx. 24 h	5–15 min	–	9 months	cream

Fixatives	Open time	Accessibility	Flash time	Potlife	Shelf life	Colour
STAUF CT FIX	Textile coverings: 10–15 min Elastic coverings: 20–30 min SL tiles: up to 4 h	after approx. 24 h	approx. 10–45 min	universal	9 months	white

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%.

TESTING OBLIGATIONS

PARQUET AND FLOOR LAYERS

Humidity:

Before laying the flooring, check whether the subfloor is sufficiently dry for the covering (e.g. cement screed 2.0 CM%, cement screed with hot water underfloor heating 1.8 CM%, calcium sulphate screed 0.5 CM%, calcium sulphate screed with hot water underfloor heating 0.3 CM%). The test is conducted with a CM device, survey measurements may be carried out electronically. The CRH method may also be carried out as a complementary measure.

Surface strength:

Surface strength of mineral screeds is tested using the grid scratch test (Ri-Ri device). During the scratch tests, deep scars or large area flaking must be avoided, especially at the crosspoints of the scratch lines. The screed must not chalk or sand. This can be checked using a wire brush. Near-surface inhomogeneities in the form of "hard shells" (sintered layers) can be determined by tapping with a hammer (hammer impact test). The screed must demonstrate a homogeneous structure with uniform strength.

Evenness:

Requirements for subfloor evenness as well as testing obligations are described in DIN 18202 "Tolerance in Building Constructions; Structures". Table 3, line 3 applies to subfloors and line 4 applies to the increased requirements for evenness. The test is conducted using a levelling rod and measuring wedge. Compliance with the tolerances required by DIN 18202 does not guarantee that the subfloor is sufficiently even for the chosen covering. Observe the manufacturer's instructions (coverings and flooring materials) or those of the authority issuing the invitation to tender.

Absorbency:

For laying floor coverings with dispersion adhesives and many water-based primers, the subfloor must have sufficient, even absorptive capacity. In the case of textile and resilient floor coverings, this is achieved by priming and levelling out the subfloor. If parquet flooring is to be bonded directly to screeds with dispersion adhesives, the screed must already have sufficient, even absorptive capacity. In this instance, the absorbency of the subfloor is tested using a water drop test, for example.

Absence of cracks:

The surface of the subfloor must be inspected visually for cracks. Any existing cracks should be closed in a force-fit manner.

Height in relation to adjacent components:

The height of the areas to be covered should be checked in relation to the adjacent components – e.g. adjacent rooms or door hinges. According to DIN EN 18040 for barrier-free construction, the maximum height offset after laying the floor may not exceed 1.5 mm. According to BGR 181, a maximum height offset of 4 mm applies to workplaces. No maximum value is specified for other areas.

TESTING OBLIGATIONS

PARQUET AND FLOOR LAYERS

Expansion joints and dummy joints:

A visual inspection should check that they are equally wide, run in a straight line and functional. Expansion joints must not be closed. They are to be used in the same width in the floor covering. Dummy joints, also called "cut joints", "construction joints" or "trowel joints", are to be treated like cracks.

Expansion strips:

Determine whether there is a expansion strip above the screed edge, which ensures a joint is kept securely in place on all rising and adjacent components in screeds.

Subfloor temperature:

The subfloor temperature should not be lower than 15 °C. For heated floor constructions, the temperature should be between 18 and 22 °C for 3 days before installation and for 7 days afterwards.

Temperature and air conditions in the room:

The room temperature and the relative air humidity must be checked. The room temperature should be at least 18 °C, the relative humidity of the room air should preferably be between 40 % and 65 %, but should not exceed 75 %. The client must ensure that these conditions are adhered to for at least 3 days before, during and 7 days after installation.

Underfloor heating:

For mineral screeds with hot water underfloor heating, designated measuring points for the CM moisture measurement have to be created by the screed layer. Stemming material can also be taken from this for measuring moisture according to the CRH method. For newly created heating screeds, a protocol on function heating and screed curing must be available in accordance with DIN EN 1264.

Tensile bond strength testing:

Additional testing of the tensile bond strength does not have to be carried out as part of the general testing obligations. The tensile bond strength is to be checked only in cases of doubt by the screed layer or better by the expert commissioned by the client. It is not a prerequisite standard test for testing preliminary work according to DIN 18353, DIN 18365 and others. A separate agreement is to be made if the test is to be conducted. The testing and, above all, the assessment should preferably be carried out by experienced experts or certification bodies (e.g. the FMPA, Baden-Württemberg; Otto-Graf-Institut, Stuttgart; Institute for Construction Materials Testing and Floor Research, Troisdorf, as well as the Materials Research and Testing Institute, Weimar).

The success of laying a parquet and floor covering depends largely on the appropriate subfloor preparation. According to the German Construction Contract Procedures VOB DIN 18356 "Laying of Parquet Flooring" and VOB DIN 18365 "Flooring Work", the dryness, flatness and strength must be checked in advance by the floor layer. The work must be carried out in accordance with the generally accepted rules of the trade. In addition, the latest technical data sheets and instructions on the labels of our products must be observed. If in doubt, consult Stauf's Technical Services Department.

NOTCHED TROWELS

STAUF Notched Trowel No. 1 (TKB A2)

Bonding of elastic and textile flooring

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



STAUF Notched Trowel No. 2 (TKB B1)

Bonding of textile flooring and linoleum

a = 2.0 mm
b = 2.3 mm
c = 2.7 mm



STAUF Notched Trowel No. 3 (TKB B7)

Bonding of mosaic parquet and pre-finished mosaic parquet

a = 4.0 mm
b = 3.5 mm
c = 4.5 mm



STAUF Notched Trowel No. 4 (TKB B15)

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

a = 6.5 mm
b = 5.5 mm
c = 7.0 mm



STAUF Notched Trowel No. 5 (TKB B9)

Bonding of pre-finished parquet, boards and lamparquet

a = 5.0 mm
b = 6.0 mm
c = 10.0 mm



STAUF Notched Trowel No. 8 (TKB B2)

Bonding of textile flooring

a = 2.6 mm
b = 2.9 mm
c = 2.1 mm



STAUF Notched Trowel No. 9 (TKB A4)

Bonding of elastic and textile flooring

a = 0.7 mm
b = 1.0 mm
c = 0.5 mm



STAUF Notched Trowel No. 10 (TKB S1)

Bonding of conductive floor coverings

a = 2.8 mm
b = 1.8 mm
c = 0.2 mm



STAUF Notched Trowel No. 11 (TKB S2)

Bonding of conductive floor coverings

a = 3.4 mm
b = 4.2 mm
c = 0.2 mm



STAUF Notched Trowel No. 12

Bonding on cement screeds and concrete floors with residual moisture content

a = 4.0 mm
b = 3.5 mm
c = 14.5 mm



STAUF Notched Trowel No. 14

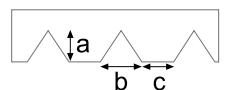
For bonding large-format board elements and panel parquet

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



Description

(a) Notch depth
(b) Notch width
(c) Notch spacing





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