

# STAUF

seit 1828



## STAUF SMP 950

1-component hard elastic SMP wood flooring adhesive according to ISO 17178



### Technical Datasheet

Product number ✓ 125120

Special features

- ✓ no danger of migration of any component
- ✓ elastic parquet adhesive, no adverse interaction with STAUF parquet sealings, mastic asphalt or old base surfaces
- ✓ integrated vapor barrier
- ✓ adhesive residues easy to remove
- ✓ for wood-block flooring RE and WE

Suitable for installation of

- ✓ upright mosaic parquet lamellas, according to DIN EN 14761, from 16 mm thickness
- ✓ wood-block flooring RE and WE
- ✓ solid lamparquet products according to DIN EN 13227
- ✓ solid planks, with relation width/thickness max. 7:1, wider planks on request
- ✓ multiple layer wood flooring according to DIN EN 13489
- ✓ mosaic parquet according to DIN EN 13488
- ✓ wood strip flooring according to DIN EN 13226
- ✓ veneered floor coverings according to DIN 14354 after manufacturer approval

Suitable sub floors

- ✓ sanded mastic asphalt screed
- ✓ concrete C 25 / 30 according to DIN 1045 (non-skid surface)
- ✓ calcium sulphate (flow) floors
- ✓ wooden sub floors in interior works
- ✓ STAUF levelling compounds for wood flooring
- ✓ chipboards V100 (E1), OSB boards
- ✓ cement floors
- ✓ cement floors, concrete floors with residual moisture

Suitable primers

- ✓ STAUF VDP 130
- ✓ STAUF VPU 155 S
- ✓ STAUF VDP 160
- ✓ STAUF VEP 195

Suitable levelling compounds

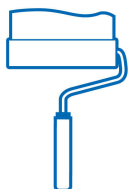
- ✓ STAUF XP 40
- ✓ STAUF XP 20
- ✓ STAUF FZ
- ✓ STAUF RM
- ✓ STAUF PU

	✓ STAUF SSP RAPID
Suitable underlays	<ul style="list-style-type: none"> <li>✓ STAUF comfort pad</li> <li>✓ STAUF polyester fleece</li> <li>✓ STAUF Decoupling/stress relief board</li> </ul>
Product properties	<ul style="list-style-type: none"> <li>✓ aging-resistant</li> <li>✓ suitable for all sub floors without primer</li> <li>✓ elastically deformable</li> <li>✓ suitable on sub floor heating systems</li> <li>✓ no wood swelling</li> <li>✓ combines high strength with a useful elasticity</li> <li>✓ very well spreadable</li> <li>✓ fast setting</li> </ul>
Color	✓ beige
Required quantities per m²	<ul style="list-style-type: none"> <li>✓ 900g with STAUF notched trowel no. 3</li> <li>✓ 1200g with STAUF notched trowel no. 4</li> <li>✓ 1050g with STAUF notched trowel no. 5</li> <li>✓ 1900g with STAUF notched trowel no. 12</li> </ul>
Open time	✓ approx. 30 minutes at 20 °C
Accessibility	✓ after approx. 48 hours
Room climate at work site	✓ minimum 15 °C, maximum 75% rel. humidity, preferably max. 65%
Transport hazard category	✓ -
Shelf-life	✓ 12 months
Giscode	✓ RS 10
Ecode	✓ EC1-R plus
Available Packaging	<ul style="list-style-type: none"> <li>✓ 7 kg plastic bucket</li> <li>✓ 18 kg plastic bucket</li> </ul>



## EXAMINATION OF SUB FLOOR

Prior to processing, the sub floor must be checked according to the standard DIN 18356, DIN 18367 and DIN 68702 or corresponding national standards. The sub floor shall be resistant to pressure and tension, free of cracks, must have sufficient surface strength, be permanently dry, level, clean and free of anti-adherents, sinter layers etc. In addition, porosity and grip of surface need to be checked. Also check moisture content and absorptive capacity of cement (flow) and calciumsulfate (flow) floors as well as room temperature, air humidity and sub floor temperature.

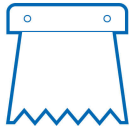


## SUB FLOOR PREPARATION

It must be ensured that the sub floor is ready for installation by performing proper sub floor preparation, floors must be clean, have sufficient surface strength, must be level, permanently dry and free of cracks. A mechanical pretreatment of the subfloor (sweeping, vacuuming, mechanical brushing, sanding, milling, shot blasting) must be performed depending on type and condition of sub floor. Cracks and joints, except expansion joints and other construction joints, shall be solidly closed with STAUF casting resin and floor brackets. Cavities and indentations can be filled with a non self-levelling STAUF levelling compound. If

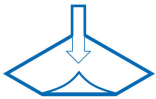
necessary, make sure sub floors are level, have sufficient absorptive capacity and grip by applying the appropriate STAUF levelling compound.

## PROCESSING



Apply adhesive to sub floor using the appropriate STAUF notched trowel, avoid adhesive pooling and excessive layer thickness by evenly raking the notched trowel over adhesive layer. Install wood flooring during specified open time, slide in and press down firmly. Depending on the degree of setting, adhesive residues can be removed with the appropriate STAUF cleaners. Please test the effect of the cleaner on the finish of the wood flooring in an inconspicuous area or on a sample prior to applying the cleaner. Hardened adhesive residues can easily be removed mechanically, mostly residue-free. However, longer exposures on finished wood flooring should be avoided to prevent possible contouring.

## ACCESSIBILITY



Load bearing capacity depends on room climate and applied quantities of adhesive. On wood block flooring RE apply surface protection immediately after sanding. For wood block flooring WE and GE, apply surface protection or at least waterproofing. For wood block flooring, do not fill joints with sand.

## OTHER INFORMATION



The adhesive hardens when reacting with moisture either in the form of air humidity, wood or substrate moisture. The higher the ambient temperature, the faster the adhesive sets. Setting time increases with thickness of the adhesive layer. On account of high quantity of adhesive applied with notched trowel no. 12, it can only be used as vapor barrier (cement floors up to 4 CM-%) for bonding of parquet with tongue and groove joints. For mosaic, strip or upright lamella parquet, a special vapor barrier primer must be applied. For solid floorboards and solid parquet flooring from a width thickness ratio of 1:7, for thinner solid wood formats of 1:5 (e.g. 10 mm lamparquet), or for laying strongly reacting solid wood types on underfloor heating, it can be useful to bond them in a shear-resistant or hard manner, e.g. with STAUF SPU 570, STAUF PUK 446 or PUK 455.

## LIMITATION OF LIABILITY



The foregoing representations are based on the results of our most current product and material testing and are of a non-obligatory advisory nature only since we have no control over the actual quality of workmanship, materials used and worksite conditions. As such, they do not constitute an express or implied warranty of any kind. The same applies to our commercial and technical consultation services which are provided free-of-charge and without obligation. Therefore, we strongly recommend that prior on-site testing be conducted to observe and study the suitability of the product for the intended purpose. With the release of this technical information, all prior technical information (technical data sheets, installation recommendations and other information regarding similar purposes) becomes invalid.

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