STAUF PUK 447

Hard 2-component elastic polyurethane wood flooring adhesive according to ISO 17178

GISCODE RU I

A+

Technical Datasheet

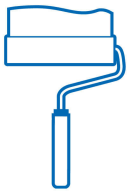
Product number	✓ 124280
Special features	✓ long processing time ✓ very low emission ✓ universal use ✓ can be applied to almost all substrate without primers
Suitable for installation of	✓ vertical finger parquet lamellas, according to DIN EN 14761 ✓ solid lamparquet products according to DIN EN 13227 ✓ solid planks ✓ multiple layer wood flooring according to DIN EN 13489 ✓ mosaic parquet according to DIN EN 13488 ✓ wood strip flooring according to DIN EN 13226
Suitable subfloors	✓ sanded mastic asphalt screed ✓ concrete C 25 / 30 according to DIN 1045 (non-skid surface) ✓ calcium sulphate (flow) floors ✓ STAUF levelling compounds for wood flooring ✓ chipboards (P4 to P7), OSB boards (OSB/2 to OSB/4) ✓ cement floors
Suitable primers	✓ STAUF VDP 130 ✓ STAUF VPU 155 S ✓ STAUF VEP 195 ✓ STAUF WEP 180
Suitable levelling compounds	✓ STAUF XP 20 ✓ STAUF RM ✓ STAUF PU ✓ STAUF SSP RAPID
Suitable underlays	✓ STAUF comfort pad ✓ STAUF polyester fleece ✓ STAUF Decoupling/stress relief board
Product properties	✓ aging-resistant ✓ high shear strength ✓ solvent-free

	✓ not sensitive to frost ✓ very well spreadable
Color	✓ beige
Required quantities per m²	✓ 1100g with STAUF notched trowel no. 3 ✓ 1450g with STAUF notched trowel no. 4 ✓ 1300g with STAUF notched trowel no. 5
Open time	✓ approx. 45 - 60 minutes at 20 °C
Accessibility	✓ after approx. 24 hours ✓ Grinding/polishing: after 24-48 hours
Room climate at work site	✓ Minimum 18 °C, maximum 75% rel. humidity, preferably max. 65%
DIBT	✓ Z-155.10-446
Storage requirements	✓ dry ✓ cool
Shelf-life	✓ 9 months
Giscode	✓ RU1
Emicode	✓ EC1 plus
Available Packaging	✓ 8,9 kg plastic bucket
Potlife	✓ approx. 30 - 45 minutes at 20 °C
Mixing ratio component A	✓ 10
Mixing ratio component B	✓ 1
Additional instructions 2c	✓ Transport requirements: frost-free ✓ Storage requirements: frost-free

EXAMINATION OF SUBFLOOR

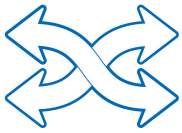
Prior to processing, the subfloor must be checked according to the standard DIN 18356 or corresponding national standards. The subfloor shall be resistant to pressure and tension, free of cracks, must have sufficient surface strength, be permanently dry, level, clean and free of from contaminants that may prevent adhesion, sinter layers etc. In addition, porosity and grip of surface need to be checked. Also check moisture content and absorption of subfloors as well as temperature, air humidity and subfloor temperature.

SUBFLOOR PREPARATION



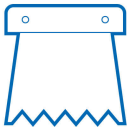
It must be ensured that the subfloor is ready for installation by performing proper subfloor preparation, floors must be clean, have sufficient surface strength, must be level, permanently dry and free of cracks. A mechanical pretreatment of the subfloor (sweeping, vacuuming, mechanical brushing, sanding,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

MIXING PROCEDURE OF COMPONENTS



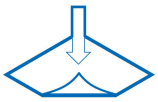
Both components should be acclimated to working temperature (approx. 20 °C) before use. Add total amount of hardener no. 5 from plastic bottle to bucket containing the resin component. Mixing of the components: Mix both components thoroughly using electric drill with stir attachment or electric stirrer with disposable stir attachment until compound has reached a uniform color (stir time: minimum 2 min.). Make sure that components are well mixed on walls and bottom of bucket. Always mix complete container content in order to ensure proper mixing ratio.

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. In particular with raw wood flooring, avoided pushing adhesive into joints. 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. Under the most unfavorable conditions or after a long setting time, hardened adhesive residues may only be removed mechanically, possibly damaging the surface of the flooring. It is therefore recommended to remove contaminations while still fresh or avoid contaminations from the start by organizing work sequences accordingly. After mixing, use adhesive during specified pot life. Best for use at 18 - 25 °C, substrate temperature between 15 - 23 °C (with underfloor heating 18 - 22 °C) and relative humidity below 65 %, until the adhesive has set.

ACCESSIBILITY



Load bearing capacity depends on room climate.

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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