

STAUF

seit 1828



STAUF R 105

2-component polyurethane adhesive for floor coverings



Technical Datasheet

Product number ✓ 124320

Special features ✓ universally applicable
✓ high load capacity
✓ for indoor and outdoor use
✓ waterproof
✓ no shrinkage

Suitable for installation of ✓ Elastics sport floor coverings for area and point elastic constructions
✓ rubber floor coverings in tiles or sheets
✓ PVC homogeneous/heterogeneous, with PVC foam backing, quartz-vinyl tiles
✓ PVC-design coverings
✓ various sports floor coverings, e.g. tennis courts

Suitable sub floors ✓ concrete C 25 / 30 according to DIN 1045 (non-skid surface)
✓ calcium sulphate (flow) floors
✓ Raised access floors
✓ wooden planks, solid wood fibre boards
✓ STAUF levelling compounds
✓ metal
✓ chipboards V100 (E1), OSB boards
✓ stone, ceramic, terrazzo, tiles
✓ unlaminated gypsum fibre boards
✓ cement floors

Suitable levelling compounds ✓ STAUF AS
✓ STAUF GS
✓ STAUF GS-Stand
✓ STAUF FZ
✓ STAUF OS
✓ STAUF RM
✓ STAUF PU
✓ STAUF SSP RAPID

Suitable underlays ✓ STAUF comfort pad
✓ STAUF Decoupling/stress relief board

Product properties	<ul style="list-style-type: none"> ✓ aging-resistant ✓ resistant against humidity ✓ suitable for sub floor heating systems ✓ hard-elastic installation ✓ solvent-free ✓ very well spreadable ✓ suitable for chair rollers according to DIN EN 12529 ✓ water-free
Color	✓ beige
Required quantities per m ²	<ul style="list-style-type: none"> ✓ 400g with STAUF notched trowel no. 1 ✓ 600g with STAUF notched trowel no. 2 ✓ 1100g with STAUF notched trowel no. 3
Open time	✓ approx. 50 minutes at 20 °C
Accessibility	✓ after 12 - 24 hours
Additional instructions 1	✓ On account of the large variety of materials and combinations, tests shall be performed on site for each individual bonding situation
Room climate at work site	✓ minimum 15 °C, maximum 75% rel. humidity, preferably max. 65%
Transport requirements	✓ frost-free
Storage requirements	✓ frost-free
Shelf-life	✓ 9 months
Giscode	✓ RU1
Ecode	✓ EC1-R plus
Available packaging	✓ 6.9 kg plastic bucket
Potlife	✓ approx. 30 minutes at 20 °C
Mixing ratio component A	✓ 7,7
Mixing ratio component B	✓ 1
unlaminated gypsum fibre boards	<ul style="list-style-type: none"> ✓ Transport requirements: frost-free ✓ Storage requirements: frost-free



EXAMINATION OF SUB FLOOR

Prior to processing, the sub floor must be checked according to the standard DIN 18365 or corresponding national standards (e.g. BS 5325). 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.



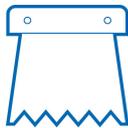
SUB FLOOR PREPARATION

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. Before installing floor coverings, the properly prepared sub floors must normally be levelled using the appropriate STAUF levelling compound. Once sub floors have been levelled, do not apply primers.



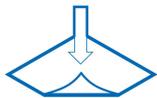
MIXING PROCEDURE OF COMPONENTS

Both components should be acclimated to working temperature (approx. 20 °C) before use. Add total amount of hardener no. 10 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

With regard to installation, always observe manufacturer's instructions. Apply adhesives to the sub-floor with a suitable application device, avoid the formation of puddles or adhesive nests. Make sure backing is completely wetted! Avoid formation of bubbles by rubbing floor covering down, if necessary using a corkboard. After a rest period of 15-30 minutes, rub or roll floor covering down thoroughly. Decurl edges and heads of coverings with strong tension before installation. Install floor covering immediately and press down firmly. Observe pot life of mixed adhesive.



ACCESSIBILITY

Load bearing after 24 hours. Fuse joints at the earliest after 48 hours.



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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