

STAUF SPP-95 Levelling compound (13130)

Cement-based levelling compound underneath wood flooring

Special features

- ductile during processing
- suitable for wood flooring
- suitable on unstable subfloors in combination with STAUF reinforcing fibers



Application range

- levelling of cement floors prior to floor covering- /wood flooring installation

Suitable sub floors

- sanded mastic asphalt screed
- concrete C 25 / 30 according to DIN 1045 (non-skid surface)
- calcium sulphate (flow) floors
- wooden planks, solid wood fibre boards
- magnesite and plaster floors
- chipboards V100 (E1), OSB boards
- stone, ceramic, terrazzo, tiles
- cement floors

Suitable primers

- STAUF VDP 130
- STAUF VEP 190 + quartz sand
- STAUF VPU 155 S + STAUF quartz sand
- STAUF 54
- STAUF VDP 160

Product properties

- suitable for sub floor heating systems
- good absorbency
- high strength
- pumpable
- self-levelling
- tension reducing

Color

- light grey

Consumption in g/m² per mm layer thickness

- 1500g per mm layer thickness

Accessibility/ready for foot traffic

- after 3 hours at 20 °C, max 65% rel. humidity

Ready for installation

- 24 hours at 20 °C, (with 2 mm layer thickness) max 65% rel. humidity

Additional instructions 1

- Fire behaviour DIN 4102: A2 and DIN EN 13501: A1fl.

Room climate at work site

- minimum 15 °C, maximum 75% rel. humidity, preferably max. 65%

Transport hazard category

- -

Storage requirements

- dry

Shelf-life

- 9 months

Giscode

- ZP1

Emicode

- EC1-R plus

Available packaging

- 25 kg paper bag

layer thickness

- 2 - 15 mm without aggregates
- 3 - 15 mm with reinforcing fibres
- 16 - 30 mm with aggregates
- min. 2 mm below wood flooring
- mastic asphalt screed 2-5 mm

Mixing ratio component A

- 25 kg levelling compound

Mixing ratio component B

- 6 liter water

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Examination of sub floor

Prior to processing, the sub floor must be checked according to the standard DIN 18356, DIN 18365, DIN 18367 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.

Mixing procedure of components

Add specified amount of water (clean and cold) into clean mixing bucket. Add complete content of container and stir evenly. For mixing, use an electrical stirrer with approx. 600-800 rpm with spiral or large paddle mixer. Mix until you have a homogeneous compound. Mix for another two minutes, wait one minute and then stir again for one minute (does NOT apply for non-self levelling levelling compounds). Extending the levelling compound: To achieve higher layer thickness, the levelling compound can be extended with STAUF quartz sand. For reinforced levelling compound: Add 1 pouch (250 g) STAUF reinforcement fibers after initial stirring and then stir again for 2 minutes.

Processing

Apply self-levelling compound within specified processing time. Do not pour the compound from mixing beaker on one spot only, but spread over a surface of approx. 2 x 2 m by changing position during pouring. Layer thickness can be controlled by using a wiper or a smoothing trowel. Air the levelling compound using a prickler roller. Self-levelling compounds do not require any additional mechanical spreading and form an even surface by themselves. Lower temperatures or higher ambient humidity delay the period until floor is ready for installation. Protect the compound from direct sunlight and drafts, since it sets hydraulically. Do not sand or prime levelling compounds.

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.