

STAUF VPU-155 Polyurethane primer

Solvent free polyurethane primer

Special features:

- ▶ barrier coat primer on substrates with residual moisture
- ▶ reducing tension



Application range

- ▶ vapor barrier on cement sub floors with increased residual humidity of max. 3 CM-%
- ▶ primer underneath STAUF PU- and SMP-adhesives

Room climate at work site

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

Shelf-life

- ▶ minimum 9 months

Suitable sub floors

- ▶ concrete B25 according to DIN 1045 (non-skid surface)
- ▶ calcium sulphate (flow) floor (no moisture barrier)
- ▶ wooden planks, solid wood fibre boards
- ▶ chipboards V100 (E1), OSB boards
- ▶ unlaminated gypsum fiber boards
- ▶ cement floors

Available packaging

- ▶ 5 kg plastic can
- ▶ 11 kg plastic can

Emicode

- ▶ EC1-R

Giscode

- ▶ RU1

Product properties

- ▶ ready for use
- ▶ bonding agent for installations
- ▶ solvent-free
- ▶ very economical
- ▶ creates a dust free surface ready for installation using STAUF polyurethane or SMP based adhesives
- ▶ tension reducing

Color

- ▶ honey

Required quantities per m²

- ▶ 150 g when applied with roller

Drying time

- ▶ approx. 4 hrs. at 20 °C

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. Calciumsulfate (flow) floors and magnesite floors must be permanently dry; STAUF VPU-155 can be used as vapor barrier when applied to cement floors with residual moisture in two coats. On account of this reduced water-vapor diffusion rate, floor coverings and parquet can be installed even if residual moisture is present. In this case, the maximum residual moisture for cement screeds is 3 CM-%.

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 pre-treatment of the sub-floor (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-leveling STAUF leveling compound.

Processing

Apply undiluted ready-to-use or mixed primer once with a lambskin roller during processing time, avoid puddles. Alternatively, a foam roller, brush or smooth blade can be used. In case an installation with STAUF PUK- or SMP adhesives is performed within 48 hours after application of the primer, sprinkling with quartz sand is not required. To accelerate the drying process, ensure adequate ventilation. Primer soaks into porous, absorbent sub floors and forms a closed film on dense, non-absorbent sub floors. Use as vapor barrier: apply primer on screed with untoothed trowel. Application quantity approx. 100 g/m², drying time approx. 1 hour. Then apply second coat with roller, application quantity min. 200 g/m², drying time approx. 4 hours or over night.

Other information

Barriers against residual moisture in cement floors are no guarantee against wood flooring damage caused by general increased construction material moisture.

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.