

STAUF

— seit 1828 —



STAUF VEP 195

Solvent and water free 2-component epoxy primer



GISCODE
RE I

Technical Datasheet

Product number ✓ 116120

Special features ✓ strengthening of substrates
✓ good penetration capability
✓ Vapour barrier on surfaces with residual moisture

Application range ✓ damp proof membrane on cement screed sub floors with residual moisture of max. 5 CM-% (6 Gew-%) after reaching the necessary strength
✓ primer below STAUF PU-, SPU- and SMP-adhesives
✓ primer underneath to levelling with STAUF levelling compounds (sanded)
✓ After first coat before levelling with STAUF fillers (with STAUF VDP 160 as a primer)

Suitable sub floors ✓ mastic asphalt screed
✓ concrete C 25 / 30 according to DIN 1045 (non-skid surface)
✓ calcium sulphate (flow) floors (no moisture barrier)
✓ wooden planks, solid wood fibre boards
✓ chipboards V100 (E1), OSB boards
✓ stone, ceramic, terrazzo, tiles
✓ unlaminated gypsum fibre boards
✓ bonded screed ZE 30 according to DIN 18560, part 3 (non-skid surface)
✓ cement floors
✓ cement floors, concrete floors with residual moisture

Product properties ✓ good adhesion on various materials
✓ easy to apply
✓ Reduction of the vapour diffusion rate on surfaces with residual moisture

Color ✓ colorless

Potlife ✓ approx. 30 min. at 30 °C
✓ approx. 45 minutes at 20 °C

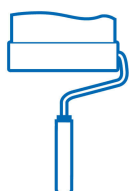
Required quantities per m² ✓ 400g when applied with roller

Drying time	✓ approx. 16 hours at 20 °C and 50 % rel. humidity
Additional instructions 1	✓ By applying a second coat of STAUF VEP-190 as a vapor barrier the consumption reduces to approx. 250 g/m². ✓ Before applying reactive adhesives (PUK, SPU, SMP and EP ranges): In addition to observing the specified time needed between priming and bonding, and the climatic conditions indicated (temperature and humidity), it is essential to sand the the surfaces. ✓ When gluing directly with reactive adhesives (PUK-,SPU-, SMP- and EP-Line): Is the surface of the primer still slightly sticky after the minimum dry time of 24 hours, the surface of the primer VEP 195 can be evenly sanded by machine.
Room climate at work site	✓ minimum 15 °C, maximum 75% rel. humidity, preferably max. 65%
Transport hazard category	✓ 9
Shelf-life	✓ 12 months
Giscode	✓ RE1
Available packaging	✓ 3 kg sheet metal combination bucket ✓ 10 kg sheet metal combination bucket
Allocation article-no. hardener 2c	✓ 16130
Mixing ratio component A	✓ 2
Mixing ratio component B	✓ 1
Transport hazard category 2c	✓ 8
Transport UN-number	✓ 3082



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, cement floors with residual moisture may receive as damp proof membrane by applying the STAUF primer. The maximum admissible residual moisture for cement floors is 5 CM-%, when using this product also for concrete floors 6 wt.%.



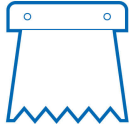
SUB FLOOR PREPARATION

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

Combining the components: pierce lid and bottom of the upper part of the container (hollow lid) repeatedly using a big screwdriver or similar instrument (approx. 600 - 800 rpm) and introduce the whole amount of the hardener into lower part of the container (contains the resin component) (approx. 2 min). Only then remove empty lid. 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. The temperature of both components while mixing should be at least 15 °C.



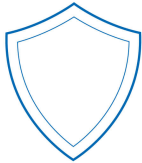
PROCESSING

Apply ready-to-use or mixed primer once with a lambskin roller during processing time, avoid puddles. Immediately after applying the primer, generously sprinkle with dry STAUF quartz sand (grain size 0.4 - 0.8 mm, consumption approx. 2.5 - 3kg/m²). When the primer is used as vapor barrier, sprinkling of the first layer is not required. At the earliest after 12 hours, at the latest after 48 hours, a second layer is applied which is then sprinkled with sand immediately after application. At the earliest after 2 hours, all excess sand is brushed and vacuumed off. After sand is removed, the surface can be leveled with STAUF leveling compounds or STAUF PUK-, SPU or SMP adhesives can be applied directly. PUK, SPU or SMP adhesives can be bonded straight to the primer, without requiring any sanding, within a period of not less than 24 hours, and not more than 72 hours, after applying the primer. The primer must be completely tack-free before proceeding with any work. Within at least 24 to a maximum of 72 hours after drying, epoxy resin primer must be applied using STAUF VDP 160 adhesive primer before applying STAUF fillers instead of quartz sand.



OTHER INFORMATION

Barriers for residual moisture in cement-based screed cannot rule out damage to textile and elastic floorings or wood flooring that is caused by a level of building moisture that is generally too high. Contact STAUF applications technology in the event of heated cement-based screeds with excessive residue 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.

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