

STAUF

— seit 1828 —



STAUF VEP 195

Solvent and water free 2-component epoxy primer



Technical Datasheet

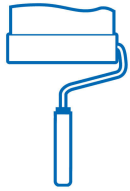
Product number	✓ 116120
Special features	<ul style="list-style-type: none">✓ strengthening of substrates✓ good penetration capability✓ vapour barrier on surfaces with residual moisture
Application range	<ul style="list-style-type: none">✓ damp proof membrane on cement screed subfloors with residual moisture of max. 5 CM-% (6 pbw-%) after reaching the necessary strength✓ primer under STAUF PU-, SPU- and SMP-adhesives✓ primer under STAUF levelling compounds sprinkled with sand after first coat before levelling with STAUF levelling compound (with STAUF VDP 160 as a primer)✓ epoxy resin binders for preparing anhydrous reactive resin screeds and mortars
Suitable subfloors	<ul style="list-style-type: none">✓ mastic asphalt screed✓ concrete C 25 / 30 according to DIN 1045 (non-skid surface)✓ calcium sulphate (flow) floors (no moisture barrier)✓ wooden planks, wood fibre boards✓ chipboards (P4 to P7), OSB boards (OSB/2 to OSB/4)✓ 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	<ul style="list-style-type: none">✓ good adhesion to various materials✓ easy to apply✓ reduction of the vapour diffusion rate on surfaces with residual moisture
Color	✓ colorless
Potlife	<ul style="list-style-type: none">✓ approx. 30 min. at 30 °C✓ approx. 45 minutes at 20 °C

Required quantities per m ²	✓ 400g when applied with roller
Drying time	✓ approx. 16 hours at 20 °C and 50 % rel. humidity
Additional instructions 1	<ul style="list-style-type: none"> ✓ 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 18 °C, maximum 75% rel. humidity, preferably max. 65%
Transport hazard category	✓ 9
Shelf-life	✓ 12 months
Giscode	✓ RE30
Ecode	✓ EC1 plus
Available packaging	<ul style="list-style-type: none"> ✓ 3 kg sheet metal combination bucket ✓ 10 kg sheet metal combination bucket
Mixing ratio component A	✓ 2
Mixing ratio component B	✓ 1
Transport hazard category 2c	✓ 8
Transport UN-number	✓ 3082, 2735



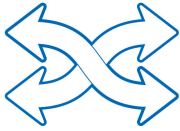
EXAMINATION OF SUBFLOOR

Prior to processing, the subfloor must be checked according to the standard DIN 18356, DIN 18365 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. 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.%.



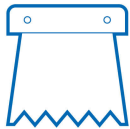
SUBFLOOR PREPARATION

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.



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. The product is a reaction resin product, which reacts exothermically after mixing with hardener. Bucket can get hot, and smoke may occur. To make screeds and repair mortars, add STAUF quartz sand (grain size 0.4-0.8 mm) to the mixed reactive resin and mix for at least 2 minutes with an agitator. Required quantities per cm layer thickness per m²: approx. 1.5 kg STAUF VEP 195 + 15 kg STAUF quartz sand (mixing ratio of 10 parts STAUF quartz sand to 1 part STAUF VEP 195), e.g. as floating screeds in residential construction. Required quantities per cm layer thickness per m²: approx. 3 kg STAUF VEP 195 + 15 kg STAUF quartz sand (mixing ratio 5 parts STAUF quartz sand to 1 part STAUF VEP 195). e.g. as bonded screed in industrial construction.



PROCESSING

Apply a single coat of the mixed or ready-to-use primer using an appropriate applicator. Apply within the processing time and avoid the formation of puddles. Immediately after applying the primer, generously sprinkle with dry STAUF quartz sand (grain size 0.4 - 0.8 mm, consumption approx. 2 - 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. When used as reactive resin screeds and mortars, spread the homogeneously mixed compound immediately on the substrate, and level and smooth it.



OTHER INFORMATION

When used as a vapour barrier primer on residual moisture cement screeds, no damage to floor coverings or parquet caused by generally excessive building moisture can be excluded. For heated cement screeds with excessive residual moisture, consult STAUF application technology. Not a valid substitute for sealing according to DIN 18533.



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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