

# Epoxy primer

## EPG 1522



**Low-emission, unpigmented, two-component liquid epoxy resin. Applied as primer to stabilize friable mineral substrates and as adhesion promoter on smooth substrates, e.g. metal, mastic asphalt and existing coatings. Applied as primer prior to laying large-format tiles on calcium sulphate screeds. Freshly applied primer is blinded with either Sopro QS 507 fine silica sand or Sopro QS 511 coarse silica sand, depending on subsequent coating. Used to provide seal and barrier to capillary action in cementitious substrates, to fill cracks, to grout joints around channels and floor drains, and to produce capillary-breaking joints. Resistant to water, sea water, wastewater/sewage, alkaline solutions, diluted acids, salt solutions, mineral oils, fuels and lubricants. Used to seal capillaries in damp cementitious substrates to speed up laying of parquet, PVC etc.**

- For walls and floors, indoors and outdoors
- Working life: approx. 40 minutes
- Ready to receive covering: after approx. 24 hours
- Primer for Sopro PU-FD 1570/1571 waterproof membranes
- Also used to produce grouted capillary seals in joints
- As adhesion promoter on critical substrates prior to screeding, surface filling and tiling or application of Sopro EE 771 epoxy mortar
- very low emission
- DGNB: Top quality level 4, Line 9, based on DGNB (German Sustainable Building Council) criterion "ENV1.2 Local Environmental Impact" (2018 version)
- GISCODE (German hazardous substances classification): RE 30
- For trade applicators only!

**Coverage: As primer approx. 0.250 - 0.400 kg/m<sup>2</sup> per application; as skim coat approx. 0.400 - 0.600 kg/m<sup>2</sup>**

Packaging		Packages	Pallet weight
Combination container	<b>10 kg</b>	28	280 kg
Combination container	<b>4 kg</b>	42	168 kg

Please observe the current version of the product information, the currently valid declaration of performance under the EU. Construction Products Regulation, and the latest version of the relevant safety data sheet to EC Regulation No 1907/2006, also available from the Internet at [www.sopro.com](http://www.sopro.com)! This document serves as a product description and sets out general details, based on empirical and test data, that take no account of specific cases of application. No liability may be construed and no claims shall be accepted in respect of these details. Should you require assistance, please contact our Technical Counselling Service.

<b>Use</b>	As primer prior to application of waterproof membranes with Sopro PU-FD 1570/1571 surface sealant. For stabilization and sealing of open-pored or "porous" mineral substrates. As base material for preparation of capillary-sealing compounds. For sealing off calcium sulphate screeds and for installation of large-format tiles. Also as adhesion promoter for bonded mineral screeds that are likely to be subject to higher loads. Cured primer is resistant to water, salts, salt solutions, alkalis and alkaline solutions, grease, oils as well as diluted mineral acids, e.g. hydrochloric or sulphuric acid. Short-term resistance is provided against solvents such as petrol, fuels etc. Limited resistance is provided against concentrated mineral acids, organic acids, e.g. formic acid, acetic acid, lactic acid etc.
<b>substrate preparation</b>	Cementitious surfaces shall be dry, strong, with good key, free from laitance, dust and loose particles, and from oil, grease or other dirt/contamination that may impair adhesion. Where necessary, prepare substrate by sand or grit blasting, high-pressure water jetting, flame blasting, scabbling or grinding. Prepared concrete substrate shall exhibit a minimum pull-off strength of 1.0 N/mm <sup>2</sup> (determined using transportable tensile testing equipment, tensile speed 100 N/s). Concrete moisture at surface shall be less than 4% CM (determined using CM tester). Coating of mastic asphalt with epoxy resins is not recommended.
<b>Application</b>	Component A and Component B (curing agent) are supplied in correct mixing proportions. Add all Component B to Component A and mix very thoroughly (for approx. 3 minutes) using slow-speed mechanical stirrer (max. 200 - 400 rpm) to homogeneous consistency. Also stir at sides and bottom to ensure uniform distribution of curing agent throughout mix. Transfer prepared mix to clean container and thoroughly restir. Do not apply material directly from original supplied container. Brush or roller apply material. Material is best applied to horizontal surfaces using foam-rubber squeegee and uniformly spread by rolling. Subsequently blind freshly applied primer to excess with 0.4 – 0.8 mm Sopro QS 511 coarse silica sand. For subsequent application of Sopro PU-FD 1570/1571 surface sealant, blind to excess with 0.1 – 0.3 mm Sopro QS 507 fine silica sand. To produce capillary-breaking joints with Sopro EPG 1522 epoxy primer, prepare Sopro EPG 1522 as described in technical data sheet and extend using kiln-dried Sopro KQS 607 crystal quartz sand and Sopro QS 511 coarse silica sand in proportions 1 : 1 : 1 parts by volume (1 : 1.5 : 1.5 parts by weight). To prepare filling mortar with Sopro EPG 1522, add up to 3 parts by volume (4 parts by weight) silica sand, e.g. graded 0.6 – 1.2 mm. Consistency and porosity of mortar shall be tailored to requirements by varying quantity and grading of silica sand. For preparation of thin load-spreading layers: please consult Sopro's Technical Service team. Note: To ensure full curing of epoxy resin, mean substrate temperature must exceed minimum curing temperature. Temperature of relevant substrate shall be at least +3 °C above prevailing dewpoint temperature (use floor thermometer and thermo-hygrometer). Coating shall be protected from moisture action (rain, condensation) for 24 hours after application. Note: As a general rule, outdoor coatings shall be applied where temperature is falling to prevent blistering caused by outgassing of air from substrate.
<b>Application temperature</b>	min. +15 °C (room and floor temperature)
<b>Chemical resistance</b>	Resistant to water, salts, salt solutions, alkalis and alkaline solutions, grease, oils as well as diluted mineral acids, e.g. hydrochloric or sulphuric acid. Short-term resistance against solvents such as petrol, fuels etc. Limited resistance against concentrated mineral acids, organic acids, e.g. formic acid, acetic acid, lactic acid etc.
<b>Fully cured</b>	2 - 3 days until mechanical loading; 7 days until chemical loading at 20 °C
<b>MV Teilmengen</b>	For preparation of partial quantities, mixing ratio is A : B = 100 : 37 parts by weight / 100 : 40 parts by volume.

<b>Mischungsverhältnis (2K Produkte)</b>	10 kg combi pack: 7.3 kg Component A : 2.7 kg Component B 4 kg combi pack: 2.9 kg Component A : 1.1 kg Component B
<b>Overcoatable</b>	After 18 - 24 hours, though at latest after 48 hours at 20 °C
<b>Shelf life</b>	Store in dry conditions at min. +10 °C; otherwise risk of crystallization of epoxy resin component. Approx. 12 months, subject to storage in dry, frost-free conditions (in original containers). Avoid direct exposure to sunlight.
<b>Specified times</b>	Apply for normal temperature range of +20 °C and 50 % relative humidity; higher temperatures shorten and lower temperatures lengthen these times.
<b>Tool cleaning</b>	Clean tools with thinner whenever works are interrupted.
<b>Walkable</b>	After 14 - 18 hours at 20 °C
<b>Working life</b>	Approx. 50 minutes at +15°C; approx. 40 minutes at +20 °C; approx. 20 minutes at +30 °C
<b>Test certificates</b>	DIN EN 14891: EPG 1522 in conjunction with PU-FD 1570/1571 and relevant tile adhesives meets requirements, including those for tensile adhesion strength after storage in chlorinated water PG-AIV-F (Criteria for Award of National Test Certificates for Liquid-Applied Waterproof Membranes Used in Conjunction with Tile Coverings): System component for national test certificate (abP) for composite waterproofing systems with membrane and tile finish, for structural waterproofing in conjunction with PU-FD 1570/1571 and other Sopro components. BG Verkehr (institution for statutory accident insurance and prevention for transport and traffic): (Test certificate in preparation)
<b>Licence</b>	EMICODE system of GEV (German Association for the Control of Emissions in Products for Flooring Installation, Adhesives and Building Materials): EC1 <sup>PLUS</sup> ("very-low-emission-plus") rating
<b>Safety precautions</b>	<p><b>Component A</b></p> <p>Labelling in accordance with Regulation (EC) No 1272/2008 (CLP). GHS07 Labelling in accordance with Regulation (EC) No 1272/2008 (CLP)</p> <p><b>Signal word:</b> Attention</p> <p>H315 Causes skin irritation. H319 Causes serious eye irritation. H317 May cause an allergic skin reaction. H411 Toxic to aquatic life with long lasting effects. EUH205 Contains epoxy constituents. May produce an allergic reaction.</p> <p>P260 Do not breathe vapours. P280 Wear protective gloves/protective clothing/eye protection/face protection/ P301+P310 IF SWALLOWED: Immediately call a POISON CENTER. P302-P352 IF ON SKIN: Wash with plenty of water/... P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P501 Dispose of contents / container in accordance with regional / national / international regulations. P102 Keep out of reach of children.</p> <p>Contains: 2,2' -[(1-methylethylidene)bis(4,1-phenylene oxymethylene)]bisoxirane oxirane, mono[(C12-14-alkyloxy)methyl] derivates German Water Hazard Class (WGK) 2: significantly hazardous to water</p> <p><b>Component B</b></p> <p>Labelling in accordance with Regulation (EC) No 1272/2008 (CLP). GHS05 GHS07</p> <p><b>Signal word:</b> Danger</p> <p>H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H412 Harmful to aquatic life with long lasting effects.</p> <p>P261 Avoid breathing dust. P280 Wear protective gloves/protective clothing/eye protection/face protection/ hearing protection/... P302-P352 IF ON SKIN: Wash with plenty of water/... P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for</p>

several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P405 Store locked up. P102 Keep out of reach of children.  
 Contains: Polyoxypropylenediamine; 3-aminomethyl-3,5,5-trimethylcyclohexylamine;  
 1,3-benzenedimethanamine; phenol, styrenated  
 Tunnel restriction code: E  
 German Water Hazard Class (WGK) 2: significantly hazardous to water  
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## Disposal

Waste treatment methods. The generation of waste should be avoided or minimized wherever possible. Recover if possible.  
 A waste code (EWC) according to European List of Waste (LoW) cannot be specified, due to dependence on the usage. Contact and send to an authorized waste disposal service.  
 Methods of disposal: Disposal of this product, solutions, packaging and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.  
 Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor.  
 Do not dispose of waste into sewers.  
 Hazardous waste: Yes  
 Disposal considerations:  
 Do not allow to enter drains or watercourses.  
 Dispose of product according to all federal, state and local applicable regulations. If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.  
 Dispose of containers contaminated by the product in accordance with local or national legal provisions. For further information, contact your local waste authority.  
 Special precautions:  
 This material and its container must be disposed of in a safe way. Care should be taken when handling untreated empty containers.  
 Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.  
 Empty containers or liners may retain some product residues. Do not re-use empty containers.