

## Bonding emulsion

### HE 449



Synthetic resin dispersion used as bonding layer for mineral surface fillers and plasters/renders (e.g. Sopro FS 15 550 floor-levelling compound). For wet-on-wet application. For modification of mortars, screeds and slurries.

- For floors, indoors and outdoors
- Straightforward application
- Good bonding performance
- Prevents bubbling in surface filler
- GHS/GHS (German hazardous substances classification): D1

**Coverage: As bonding layer: 100 – 200 g/m<sup>2</sup> depending on nature of substrate**

Packaging		Packages	Pallet weight
Bottle	1 kg	384	384 kg
Canister	5 kg	90	450 kg
Canister	10 kg	60	600 kg

<b>Use</b>	As adhesion promoter/bonding layer prior to application of Sopro FS 15 550 floor-levelling compound, Sopro FAS 551 fibre-reinforced self-levelling filler, Sopro RS 462 repair filler, Sopro Repadur 40 S rapid-set concrete repair mortar, Sopro RAM 3 454 renovation and levelling mortar, , Sopro SP 466 lightweight levelling mortar, Sopro RAP 2 434 renovation and levelling render, Sopro DYX 700 cement paint, Sopro HPF 942 refractory plaster, and renders classed under mortar group P II (lime-cement) and P III (cement) to DIN 18 550. For modification and enhancement of site-mixed mortar properties. Compliance with technical data sheets for aforementioned products is essential.
<b>Properties</b>	Sopro HE 449 is an easily workable polymer dispersion allowing efficient, wet-on-wet application.
<b>Application</b>	For application as bonding layer, mix Sopro HE 449 with water in specified proportions and brush generously onto substrate. Subsequent surface filler or mortar coating shall then be applied wet-on-wet. Where a Sopro self-levelling filler is to be subsequently applied, allow a short flash-off time for Sopro HE 449 after brushing on. Do not, however, allow complete evaporation or drying of priming coat. Apply filler while priming coat is still tacky (check using "finger test"). Waiting time may range between 5 and 30 minutes depending on site conditions (temperature, humidity, air movement and substrate suction). As modifier and for reparation of spatterdash, Sopro HE 449 shall be added as admixture to mixing water.
<b>Water requirement</b>	<p>As bonding layer Water : Sopro HE 449</p> <ul style="list-style-type: none"> <li>- High-suction 3 : 1</li> <li>- Absorbent 2 : 1</li> <li>- Non-absorbent Undiluted</li> </ul> <p>For spatterdash Water : Sopro HE 449</p> <ul style="list-style-type: none"> <li>- 10 : 1</li> </ul> <p>As modifier Water : Sopro HE 449</p> <ul style="list-style-type: none"> <li>- Medium duty (Aggregate size &gt; 4 mm) 3 : 1</li> <li>- Heavy duty (Aggregate size &lt; 4 mm) 2 : 1</li> <li>- Extra-heavy duty 1 : 1</li> </ul>
<b>Application temperature</b>	Between +5 °C and max. +30 °C
<b>Shelf life</b>	Approx. 12 months in original unopened containers; protect from frost
<b>Specified times</b>	Apply for normal temperature range of +23 °C and 50 % relative humidity; higher temperatures shorten and lower temperatures lengthen these times.
<b>Suitable substrates</b>	<p>Absorbent mineral substrates: concrete (min. 3 months old), natural and cast stonework, plasterwork/ render and masonry incorporating standardized materials and technically approved products.</p> <p>Smooth and non-absorbent substrates: existing tile and terrazzo coverings, firmly adhering lacquer/ varnish coatings etc.</p>
<b>Tool cleaning</b>	Wash tools with water immediately after use
<b>Tools</b>	Lambswool roller, block brush; wash tools with water immediately after use.
<b>Safety precautions</b>	<p>Exempt from labelling requirements under Regulation (EC) No 1272/2008 (CLP). EUH210 Safety data sheet available on request EUH208 Contains 1,2-Benzisothiazol-3(2H)-on. May produce an allergic reaction. EUH208 Contains a mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one in proportions 3 : 1. May produce an allergic reaction.</p> <p>P102 Keep out of reach of children.</p>

German Water Hazard Class (WGK) 1: slightly hazardous to water  
 GISCODE D1

**Disposal Considerations** 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.  
 Clean waste packaging should be recycled when possible and authorized by the authority.  
 Hazardous waste: No  
 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.

bringing european innovation



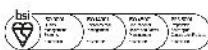
FOR MORE INFORMATION CONTACT: Smet Building Products Ltd

93A Belfast Road | Newry | BT34 1QH | Northern Ireland

T: +44 (0)28 3026 6833 ROI: +353 (0) 1697 8586

E: info@smetbuildingproducts.com

smetbuildingproducts.com or smet.ie



The information, and, in particular, the recommendations relating to the application and end-use of SMET distributed products, are given in good faith based on SMET's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with the manufacturer's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. The manufacturer reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.