

# Bonding emulsion

May 2026

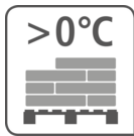
## HE 449

Synthetic resin dispersion used as bonding layer for mineral surface fillers and plasters/renders (e.g. Sopro FS15 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
- GISCODE (German hazardous substances classification): D1

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



Order nr.	Delivery form	Pcs./pal.	kg/pal.
7744110	Canister 10 kg	60	600 kg
7744105	Canister 5 kg	90	450 kg
7744131	Canister 1 kg	500	500 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 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-onwet. 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 demand</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>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>Shelf Life</b>	Approx. 12 months in original unopened containers; protect from frost
<b>Application Temperature</b>	Between +5 °C and max. +30 °C
<b>Tools</b>	Lambswool roller, block brush; wash tools with water immediately after use.
<b>Tool Cleaning</b>	Wash tools with water immediately after use
<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>Density</b>	1 g/cm <sup>3</sup>

Giscode A

D1

**Safety instructions**

Exempt from labelling requirements under Regulation (EC) No 1272/2008 (CLP).  
 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.  
 Safety data sheet available on request.

**Contains:** Contains 1,2-benzisothiazol-3(2H)-one. Contains reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one.

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

GISCODE: D1

**Disposal Considerations**

13.1. 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.

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.

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