

# Flexible bonding slurry

## HSF 748



Polymer-modified bonding slurry for installation of stone and ceramic coverings using vibrated floor system or conventional thick-bed method. As bonding layer applied to cementitious bedding mortars/adhesives and cementitious substrates. As bonding layer for cementitious bonded screeds. For tiles with low water absorption, e.g. fully vitrified stoneware, stoneware, clinker floor tiles, mosaic, split tiles and split tile fittings, terracotta, cast stone and discoloration-resistant natural stone.

- For floors, indoors and outdoors
- Strong adhesive bond for installed coverings
- As bonding layer applied to mineral, cementitious bedding mortars/adhesives and to mineral, cementitious substrates
- As bonding layer for mineral and cementitious bonded screeds
- As bonding layer in conjunction with Sopro DM 610 drainage mortar, Sopro DMX 619 drainage mortar eXtra or mineral, cementitious coarse-aggregate mortars laid by others
- As bonding layer for Sopro TVM 858 thick-bed mortar with trass
- For use in conjunction with floor heating
- Low-chromate to Regulation (EC) No 1907/2006, Annex XVII

### Coverage:

1.0 - 1.5 kg / m<sup>2</sup> for powder application; 1.5 - 2.0 kg / m<sup>2</sup> for slurry application

Order nr.	Delivery form	Pcs./pal.	kg/pal.
7774825	Bag 25 kg	40	1.000 kg

**Use**

As a plastic-modified bonding slurry for the production of stone and ceramic coverings using the vibration method or the conventional thick-bed laying method. As a bonding bridge to mineral, cementitious bedding mortar and to mineral, cementitious substrates. As a bonding bridge for mineral and cementitious bonded screeds. As a bonding bridge in conjunction with Sopro DrainageMörtel, Sopro DrainageMörtel eXtra and suitable, mineral, cementitious monograin screeds produced on site. For use in conjunction with Sopro TrassVerlegeMörtel.

Also for tiles with low water absorption (porcelain stoneware), stoneware, floor clinker tiles, mosaic, split tiles, split tile mouldings, cast stone, natural stone that is not sensitive to discolouration, e.g. limestone slabs, granite, quartzite, slate, etc.

We recommend the use of Sopro S1 and Sopro S2 tile adhesives (e.g. Sopro megaFlex 1K) for laying porcelain stoneware tiles.

**Properties**

Polymer-modified bonding slurry for installation of stone and ceramic coverings using vibrated floor system or conventional thick-bed method. As bonding layer applied to cementitious bedding mortars/adhesives and cementitious substrates. As bonding layer for cementitious bonded screeds. For tiles with low water absorption, e.g. fully vitrified stoneware, stoneware, clinker floor tiles, mosaic, split tiles and split tile fittings, terracotta, cast stone and discoloration-resistant natural stone.

**Substrate Preparation**

Substrate shall be strong, crack-free, dimensionally stable and free from adhesion-impairing substances (e.g. dust, oil, wax, release agent, efflorescence, laitance, paint, lacquer and varnish residue, flooring adhesive residue, soft intermediate layers/coatings). All relevant standards and guidelines shall apply.

**Application**

Slurry application technique: Mix Sopro HSF 748 by machine with specified water dosage to homogeneous, lump-free consistency; using finishing trowel, apply bonding slurry in adequate, uniform thickness to fresh mortar/adhesive bed. Powder application technique: Requires high degree of care and expertise. Only use in isolated cases (e.g. with vibrated floor system). Uniformly sprinkle Sopro HSF 748 in powder form over freshly applied mortar/adhesive bed; dampen powder with suitably proportioned amount of clean water; bed, tap or vibrate covering into place within 15 – 20 minutes.

<b>Water demand</b>	<b>Per package</b>	<b>25 kg</b>
	Water requirement	4,5 l - 5 l

**Suitable Substrates**

Concrete to DIN 1045, heated and unheated cement screeds. Existing levelling coats shall be strong and firmly bonded to substrate.

**Shelf Life**

Approx. 12 months (original, dry, unopened containers).

**Application Temperature**

From +5 °C to +25 °C (substrate, air, material).

**Tools**

Smoothing trowel, notched trowel (e.g. 3 mm teeth), broom, tassel

**Tool Cleaning**

Clean tools with water immediately after use.

**Specified Times**

Refer to the normal temperature range +23 °C and 50 % relative humidity; higher temperatures shorten and lower temperatures lengthen these times.

<b>Test Certificates</b>	Test certificate: Test no.: 7885/1/96; 7885/2/96: Bond strength of tiles and slabs with low water absorption using HSF 748
<b>Temperature Resistance</b>	From -20 °C to +80 °C
<b>Loadable</b>	Can be subjected to industrial loads after 28 days, e.g: pallet truck, forklift traffic
<b>Working Life</b>	3 – 4 hours as slurry at +23 °C and 50 % relative humidity. Stiffened mortar shall not be re-tempered by addition of water or fresh material to restore workability.
<b>Giscode A</b>	ZP1
<b>Safety instructions</b>	<p>GHS05 GHS07 <b>Signal word</b> Danger Causes skin irritation. Causes serious eye damage. May cause respiratory irritation. Keep out of reach of children. Read label before use.</p> <p><b>Contains:</b> Contains Portlandzement, Cr(VI) &lt;2ppm. German Water Hazard Class: German Water Hazard Class WGK 1 (slightly hazardous to water)</p> <p><b>Hazard statements</b> H315 Causes skin irritation. H318 Causes serious eye damage. H335 May cause respiratory irritation.</p> <p><b>Precautionary statements</b> P102 Keep out of reach of children. P103 Read carefully and follow all instructions. P261 Avoid breathing dust. P264 Wash hands thoroughly after handling. P280 Wear protective gloves/clothing and eye/face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312 Call a POISON CENTER if you feel unwell. P501 Dispose of contents/container in accordance with applicable regulations.</p>

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.

## Disposal Considerations

### 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 non-recyclable 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.

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