



# Sopro HSF 748

## Flexible bonding slurry with trass



One-component, trass-bearing, polymer-modified bonding and contact slurry for laying ceramic tiling, natural and cast stone coverings, and paving units. Low-chromate to Regulation (EC) No 1907/2006, Annex XVII.

- Strong adhesive bond for installed coverings
- Also suitable for tiles with low water absorption (fully vitrified stoneware)
- For powder or slurry application
- Contains Rhenish trass
- Suitable for floor heating systems
- With test certificate from SFV e.V. institute for wall/floor coverings, Großburgwedel
- For indoor and outdoor use

### Use

As 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 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 suitable mineral, cementitious screeds with single-size aggregate by others.

For application in conjunction with Sopro TVM 858 thick-bed mortar with trass.

Also for tiles with low water absorption (fully vitrified stoneware), stoneware, clinker floor tiles, mosaic, split tiles and split tile fittings, cast stone and discoloration-resistant natural stone, e.g. limestone tiles, granite, quartzite, slate etc.

#### Suitable substrates

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

#### Mixing ratio

Slurry application: 4.5–5.0 ltr water : 25 kg Sopro HSF 748

#### Working life

3–4 hours as slurry

#### Application temperature

Between +5°C and +25°C

#### Temperature resistance

-20°C to +80°C

#### Loadable

Loadable for industrial duty (e.g. lift stackers, fork-lift trucks) after 28 days

#### 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

#### Shelf life

Approx. 12 months, subject to storage on pallet in dry conditions in original unopened containers

#### Packaging

25 kg bag

## Properties

Sopro HSF 748 is a trass-bearing, polymer-modified, cementitious bonding slurry, offering smooth, easy workability and suitable for indoor and outdoor applications. Sopro HSF 748 promotes a strong bond between absorbent and non-absorbent coverings and bedding adhesive or between substrate and bedding adhesive/screed.

When fully set, Sopro HSF 748 is resistant to water, weather and freeze-thaw cycles and is able to accommodate mechanical and thermal loads.

## 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). Smooth and non-absorbent substrates, e.g. old flooring adhesive residue, paintwork or soft intermediate coatings, constitute particularly critical surfaces and shall therefore be removed.

All relevant standards, guidelines and recommendations shall apply; workmanship shall comply with good practice.

## Application

**Slurry application:** Fill clean container with 4.5–5.0 ltr water, add 25 kg Sopro HSF 748 and mix mechanically to homogeneous, lump-free consistency. Using finishing trowel or notched trowel, apply bonding slurry in adequate, uniform thickness to fresh mortar/adhesive bed.

A broom or block brush may be used for application to pre-dampened concrete surfaces. Mortar/adhesive shall be applied to fresh bonding slurry or covering placed in fresh bonding slurry within 15–20 minutes, depending on ambient conditions.

**Powder application:** Powder application method requires high degree of expertise and meticulous workmanship. Its use shall therefore be limited to individual cases (e.g. vibrated floor system). Uniformly sprinkle Sopro HSF 748 in powder form over surface of freshly applied mortar/adhesive bed in accordance with good workmanship and practice. Subsequently dampen with suitable amount of clean water. Covering shall then be embedded, tapped or vibrated into dampened bonding slurry within 15–20 minutes.

## Specified times

Apply for normal temperature range of +23°C and 50% relative humidity; higher temperatures shorten and lower temperatures lengthen these times.

## Tools/tool cleaning

Finishing trowel, notched trowel (e.g. 3 mm serration), broom, block brush; wash tools with water immediately after use.

## Test certificate

**SFV e.V. institute for wall/floor coverings, Großburgwedel:** Bond strength for tile coverings with low water absorption when using Sopro HS 748 bonding slurry. Test no. 7885/1/96; 7885/2/96

## Safety precautions

Labelling in accordance with Regulation (EC) No 1272/2008 (CLP)

GHS05, GHS07

Signal word: Danger

Contains Portland cement. Exhibits strong alkaline reaction upon contact with moisture/water; protection required for skin and eyes. All standard precautions for the handling of construction materials/chemicals shall be taken.

**Hazard statements:** H315 Causes skin irritation. H318 Causes serious eye damage. H335 May cause respiratory irritation.

**Precautionary statements:** P102 Keep out of reach of children. P261 Avoid breathing dust. P280 Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 IF ON SKIN: Wash with plenty of water and soap. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER or doctor. P332+P313 If skin irritation occurs: Get medical advice/attention.

**GISCODE (German hazardous substances classification):** ZP 1 - Low-chromate to Regulation (EC) No 1907/2006, Annex XVII

## Disposal Considerations

Waste treatment methods. Recover if possible. In so doing, comply with the local and national regulations currently in force.

91/156/EEC, 91/689/EEC, 94/62/EC and subsequent amendments.

Disposal of hardened product (EC waste code) : 17 01 01

Disposal of not hardened product (EC waste code) : 17 01 01

The suggested European waste code is just based on the composition of the product.

According to the specific process or application field a different waste code may be necessary.

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