

Streetscape® Sopro HSF 748 Flexible Bonding Slurry with Trass

A one-component, trass-bearing, high polymer-modified bonding and contact slurry for laying of ceramic tiling, natural, cast stone coverings and paving units. Sopro HSF 748 is a trass-bearing, cementitious bonding slurry, offering smooth, easy workability and suitable for indoor, outdoor and underwater applications. Sopro HSF 748 ensures a strong bond between absorbent and non-absorbent coverings and bedding mortar or between substrate and bedding mortar/screed. When set, Sopro HSF 748 is resistant to water, weather and freeze-thaw cycles and is able to accommodate high mechanical and thermal loads.

- strong adhesion/bonding for installed coverings
- suitable for tiles with low water absorption (fully vitrified stoneware)
- for powder or slurry application
- flexible and strong-bonding
- contains Rhenish trass
- suitable for floor heating systems
- test reports available
- for indoor and outdoor use
- low-chromate to Regulation (EC) No 1907/2006, Annex XVII

Field Of Application

As flexible bonding slurry for installation of stone and ceramic coverings using vibrated floor system or conventional methods. As bonding slurry applied to bedding mortar or substrate. As bonding slurry for bonded screeds. As bonding layer in conjunction with Sopro DM 610 drainage mortar, Sopro DMX 619 drainage mortar eXtra or porous screeds with single-size grading. For application in conjunction with Sopro TVM 858 thick-bed mortar with trass. 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 etc.

Suitable Substrates

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

Substrates Preparation

The substrate should 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 should therefore be removed. All relevant standards, guidelines and recommendations should apply; workmanship must 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 to fresh mortar bed. A broom or block brush may be used for application to pre-dampened concrete surfaces. Mortar should be applied to fresh bonding slurry or covering placed in fresh bonding slurry within 15-20 minutes, depending on ambient conditions.

Powder application: Uniformly sprinkle Sopro HSF 748 powder over surface of freshly applied mortar bed. Subsequently dampen with water. Covering should be placed in dampened bonding slurry within 15-20 minutes.

Test Reports

Available on request.

Storage

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

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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Safety

Contains cement. Exhibits strong alkaline reaction upon contact with moisture/water. All standard precautions for the handling of construction materials/chemicals must be taken. See Sopro Health and Safety Data Sheet for further detailed information.

Labelling

Hazard symbol: Xi Irritant, hazard-determining components: Portland cement, Cr(VI) < 2 ppm.

P102 Keep out of reach of children.

P332+P313 If skin irritation occurs: Get medical advice/attention.

Hazard Statements:

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

Precautionary Statements:

P261 Avoid breathing dust.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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.

P310 Immediately call a POISON CENTER.

GISCODE (German hazardous substances classification): ZP 1

Low-chromate to Regulation (EC) No 1907/2006, Annex XVII

Technical Information

Mixing Ratio (water only)	For slurry application: 4.5 – 5.0 ltr water: 25 kg Sopro HS 748
Pot Life	3 – 4 hours as slurry
Application Temp	Between +5 °C and +30 °C
Temperature Resistance	-20 °C to +80 °C
Coverage	1.0 – 1.5 kg/m ² for powder application 1.5 – 2.0 kg/m ² for slurry application
Loading	Fully loadable for industrial duty (e. g. lifts stackers, fork-lift trucks) after 28 days
Specified Times	Apply for normal temperature range of +23 °C and 50 % relative humidity; higher temperatures shorten and lower temperatures lengthen these times.
Tools	Finishing trowel, notched trowel (e. g. 3 mm serration), broom, block brush; wash tools with water immediately after use.
Tool Cleaning	broom, block brush; wash tools with water immediately after use.
Packaging	25 kg Bags

