

**smet**

# Sopro RS 648

## Vibration slurry



One-component, fibre-reinforced, polymer-modified, trass-bearing, cementitious bonding and contact slurry. Applied as flexible bonding slurry for installation of stone and ceramic coverings using vibrated floor system or conventional methods. Ideal for slurry application technique. Sopro RS 648 is particularly suitable for laying tiles with low water absorption (fully vitrified stoneware). For laying large-format units (30 cm × 60 cm) using vibrated floor system. Also used as slurry-applied bonding layer on substrate and on bedding adhesive.  
Low-chromate to Regulation (EC) No 1907/2006, Annex XVII.

- Strong bond where suitable tiles are installed using vibrated floor system
- For vibratable large-format tiles
- For rectified fully vitrified stoneware
- For floors, indoors and outdoors

### Use

One-component, fibre-reinforced, polymer-modified, trass-bearing, cementitious bonding and contact slurry. Applied as flexible bonding slurry for installation of stone and ceramic coverings using vibrated floor system or conventional methods. Particularly suitable for laying tiles with low water absorption, e.g. rectified fully vitrified stoneware. For laying large-format units (30 cm × 60 cm) using vibrated floor system.

### Suitable substrates

Site-mixed cement screeds or ready-mixed cement screeds supplied by concrete plant, of grade CT-C25-F4 or of higher grade where needed for building use and specified by designer. In accordance with system, tiles are laid with Sopro RS 648 on fresh, compacted and smooth-trowelled screed, which serves as bedding adhesive. Depending on contract size and temperature, it may be necessary to use set-retarding admixture for placing screed. Sopro EVZ 634 screed retarder, as system product, is ideal for this purpose (see dosage table).

### Mixing ratio

9.25–9.75 ltr water : 15 kg Sopro RS 648 (slurry application)

### Maturing time

3–5 minutes

### Working life

30–40 minutes

### Application temperature

Between +5 °C and +30 °C

### Coverage

1.5–2.0 kg/m<sup>2</sup> for slurry application, using notched trowel with 6 mm serration, or 0.8–0.9 kg/m<sup>2</sup> for 1 mm coat thickness; approx. 3.0 kg/m<sup>2</sup> for powder application\*

### Shelf life

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

### Packaging

15 kg bag

\*Please observe note on powder application technique overleaf.

## Application

**Slurry application technique:** Mix Sopro RS 648 with 9.25–9.75 ltr water per 15 kg powder to produce creamy slurry. Apply slurry to fresh, compacted and smooth-trowelled bedding adhesive (screed) and comb with 6 mm notched trowel. Then proceed to embed and align tiles.

**Powder application technique:** Uniformly sprinkle Sopro RS 648 in adequate thickness onto fresh, compacted and smooth-trowelled bedding adhesive (screed). Proceed by wetting powder with water (using watering can). Comb dampened powder with 6 mm notched trowel before embedding and aligning tiles.

Then vibrate entire tile covering with surface vibrator to compact. Waiting time between tile laying and vibration shall not exceed approx. 1 hour (at +20 °C). Higher temperatures shorten maximum waiting times. Use of set-retarding admixture is recommended for placing bedding adhesive (screed). Sopro EVZ 634 screed retarder is ideal for this purpose (see dosage table).

**\* Note on powder application technique:** Powder application technique involves sprinkling of Sopro RS 648 in dry powder form onto compacted screed. This procedure calls for a high degree of manual skill and experience. Compliance with required square-metre powder application needs constant checking throughout operations. As a final check: with powder application technique, a 15 kg bag of Sopro RS 648 should suffice for approx. 5 m<sup>2</sup>. When wetting (pouring water onto) sprinkled powder, ensure that neither too much nor too little water is applied so that resulting contact layer is neither excessively wet nor excessively dry. Too much or too little water may have a negative impact on later tensile adhesion strength (inadequate bond). Hence, this technique is of only limited suitability and cannot be recommended for fully vitrified stoneware.

## 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

Mixing attachment, notched trowel with 6 mm serration; wash tools with water immediately after use.

## Safety precautions

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

GHS05, GHS07

**Signal word:** Danger

Contains Portlandcement. Contains calcium formate. Contains blend of Ca and Mg silicate and aluminate. Exhibits strong alkaline reaction upon contact with moisture/water. All standard precautions for the handling of chemicals shall be taken.

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

**Precautionary statements:** P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P280 Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 IF ON SKIN: Wash with plenty of soap and 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 or doctor/physician. 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

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.

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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