

Sopro SLC 578

Self-levelling compound, 3–40 mm

Rapid-set, self-levelling, cementitious filler for production of smooth, unbroken surfaces prior to flooring installation. Low-chromate to Regulation (EC) No 1907/2006, Annex XVII.



- For 3–40 mm coat thicknesses
- Pumpable
- Suitable for floor heating systems
- For indoor use
- Walkable: after 2 – 3 hours
- Suitable Sopro perimeter insulation strip
- Low-chromate to Regulation (EC) No 1907/2006, Annex XVII.

Coverage: Approx. 1.6kg/m² per mm coat thickness



Packaging	Packages	Pallet weight
25 kg	40	1000 kg

Use	For production of smooth, unbroken surfaces prior to installation of floor coverings, e.g. ceramic tiles, natural stone finishes, textile, elastic and parquet flooring. For coat thicknesses between min. 3mm and max. 40 mm; for indoor use only. Sopro FS 5 549 floor-levelling compound is recommended for thin-coat ($\leq 3\text{mm}$) applications; Sopro FE 678 Rapidur [®] self-levelling screed is recommended for coat thicknesses $>40\text{mm}$.	
Properties	Sopro SLC 578 is a pumpable, self-levelling, rapid-set, cementitious surface filler, suitable for interiors only and for use in conjunction with floor heating.	
Suitable substrates	Cement screeds, concrete and untreated concrete surfaces (min. 3 months old), heated floor constructions (cement and calcium sulphate screeds), magnesium oxychloride (magnesite) screeds.	
Priming	Sopro HE 449 bonding emulsion: For wet-on-wet application after short flash-off time of 10 – 15 minutes (max. 30 minutes). Sopro HE 449 shall be applied so as to form a shiny damp film, without ponding. Any dried films shall be removed. Suitable substrates include: cement screeds, untreated concrete surfaces (min. 3 months old) Sopro GD 749 primer: All absorbent substrates, e.g. cement screeds, concrete/untreated concrete surfaces (min. 3 months old). Sopro GD 749 primer shall be applied in undiluted form Sopro HPS 673 special primer: All smooth, non-absorbent substrates, e.g. existing tile and terrazzo coverings or firmly adhering adhesive residue Sopro MGR 637 multi-purpose primer: Moisture-sensitive substrates, e.g. magnesium oxychloride (magnesite) screeds and calcium sulphate (anhydrite and self-levelling anhydrite) screeds.	
Application	Fill clean container with 5.25 – 5.75 ltr water, add 25 kg Sopro SLC 578 and mix mechanically to homogeneous, lump-free consistency. Restir thoroughly after short maturing time. Then pour mixed self-levelling compound onto prepared substrate and spread uniformly using squeegee or finishing trowel. A spiked roller may be used to release entrapped air from self-levelling compound while still fresh. Apply material to required thickness in a single coat. If, in specific cases, application in several coats proves necessary, each coat shall be given adequate time to achieve walkability and be pretreated with Sopro HE 449 bonding emulsion prior to application of following coat. In case of low humidity and high room temperature, draughts and direct exposure to sunlight, freshly applied coat shall be covered with sheeting to ensure optimum, crack-free setting. For treatment of large areas, Sopro SLC 578 may also be efficiently prepared and applied using suitable mixing pump equipment. Particularly impervious floor coverings, e.g. parquet, linoleum, PVC etc., shall be laid at earliest after approx. 1 day (1 cm coat thickness) or after approx. 36 hours for maximum coat thickness of 15 mm, and after achievement of residual moisture content $\leq 1.8\%$ CM. In damp and wet spaces, filler-coated surfaces shall be waterproofed with Sopro FDF flexible sealing compound, Sopro DSF 523 one-component flexible sealing slurry, Sopro DSF 623 one-component flexible rapid-set sealing slurry, Sopro DSF 423 two-component flexible sealing slurry, Sopro TDS 823 two-component turbo sealing slurry, Sopro PU-FD surface sealant or Sopro AEB [®] membrane system.	
Water requirement	Per package	25 kg
	Water requirement	5.25 l - 5.75 l
Application temperature	From +5°C to +25°C (substrate, air, material)	
Loadable	After approx. 24 hours for 3–15 mm coat thickness where tiles are to be installed; after approx. 24 hours per cm for greater coat thickness or where carpeting, parquet etc. is to be installed.	
Maturing time	3-5 minutes	

Shelf life	Approx. 6 months, subject to storage on pallet in dry conditions in original unopened containers
Specified times	Apply for normal temperature range of +23 °C and 50 % relative humidity; higher temperatures shorten and lower temperatures lengthen these times.
Substrate pretreatment	Substrate shall be dry, 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, old flooring adhesive residue). Fill any existing cracks in screed with structurally bonding Sopro GH 564 casting resin. Cement screeds shall be at least 28 days old and dry. Screeds incorporating Sopro Rapidur® B1 rapid-set binder are ready to receive floor covering after only approx. 12 hours. Cement screeds incorporating heating elements shall be heated up to ensure adequate drying out (≤ 2.0% CM) prior to flooring installation. Incorporate a suitable Sopro perimeter insulation strip at junctions with vertical elements to prevent restraint and escape of self-levelling compound. Where perimeter insulation strips are already incorporated in substrate, adopt same line and width of these strips. Sopro AFS 561 anhydrite floor-levelling compound is recommended for calcium sulphate and mastic asphalt screeds. Assessment of substrate shall comply with relevant standards and regulations.
Tool cleaning	Mixing attachment, squeegee, finishing trowel, mixing pump (e.g. Putzknecht S 48 or Putzmeister G 78), spiked roller; wash tools with water immediately after use.
Walkable	After 2-3 hours
Working life	30-40 minutes
Safety precautions	<p>Labelling in accordance with Regulation (EC) No 1272/2008 (CLP) GHS07</p> <p>Signal word: Danger</p> <p>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.</p> <p>H319 Causes serious eye irritation.</p> <p>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/... 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.</p> <p>GISCODE ZP 1</p> <p>Low-chromate to Regulation (EC) No 1907/2006, Annex XVII</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! 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

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 sewer.

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