

Flexible sealing compound

Grey

FDf 525

Highly elastic, ready-to-use, one-component liquid waterproof coating for application to walls and floors in conjunction with tiles. For waterproofing indoor spaces to DIN 18534.



- For walls and floors, indoors
- Waterproof membrane for incorporation below tile finish
- Available in contrast colours (grey and light grey)
- Contrast agent for tinting, also available in convenient syringe
- Suitable for floor heating systems
- Crack-bridging
- For brush, roller, trowel and spray application
- Solvent-free
- Low-chromate to Regulation (EC) No 1907/2006, Annex XVII
- For healthy living: Recommended by Sentinel Haus Institut

Coverage: Approx. 1.2 kg / m²



Packaging		Packages	Pallet weight
Bucket	3 kg	147	441 kg
Bucket	5 kg	80	400 kg
Bucket	15 kg	40	600 kg
Bucket	20 kg	30	600 kg

Use	Liquid waterproof membrane for waterproofing indoor spaces to DIN 18 534, suitable for W0-I "Low water action" and W1-I "Moderate water action" applications (floor/wall), and W2-I "High water action" applications (wall).
Properties	Highly elastic, ready-to-use, one-component liquid waterproof coating for waterproofing indoor spaces. Flash-off time after first coat: 1.5 – 2.5 hours Flash-off time after second coat: 3.0 – 5.0 hours.
Substrate preparation	<p>Substrate preparation shall comply with good practice. 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). Level out any irregularities using Sopro RAM 3 454 renovation and levelling mortar, Sopro RS 462 repair filler or Sopro AMT 468 levelling mortar with trass; for floors, use Sopro FS 15 550 floor-levelling compound. Gypsum plasterwork shall be single-coat, visually dry, and shall not be felt-floated or smoothed. Calcium sulphate (anhydrite) screeds shall be ground and vacuum-cleaned.</p> <p>Max. moisture content 0.5% CM for unheated, 0.3% CM for heated screeds. Concrete substrates shall be min. 3 months old, cement screeds min. 28 days old and dry ($\leq 2.0 - 2.5\%$ CM). Screeds incorporating Sopro Rapidur[®] B1 are ready for tiling after only 24 hours, subject to achievement of moisture content $\leq 4.0\%$ CM. Cement screeds incorporating Sopro Rapidur[®] B5 are ready for tiling after 3 days, subject to achievement of moisture content $\leq 2.0\%$ CM. Wood-based products shall be dry and rigid with ventilated rear face. Under German "Building trades co-ordination committee procedures for surface-embedded heating and cooling systems", 2018 edition, heated screeds require system commissioning and heating prior to flooring installation.</p>
Primer	<p>Sopro GD 749 primer: Cement screeds, calcium sulphate (anhydrite and self-levelling anhydrite)screeds, board subfloors, paperless gypsum wall panels, gypsum plasterboard/joints and filler, gypsum fibreboard, gypsum plaster, high- or variable-suction (interior) aerated concrete, cement and lime/ cement render, renders made from masonry cement, flush-jointed masonry Sopro HPS 673 bonding primer: Smooth and closed-pore substrates, e.g. existing tile, terrazzo, natural and cast stone coverings, adhesive residue from PVC flooring or carpeting Please observe technical product information for relevant Sopro primer!</p>
Application	<p>Stir Sopro FDF prior to application. Start by sealing angles between wall and floor surfaces with Sopro sealing tapes and angle fittings certified for system compatibility. Seal any penetrations with Sopro wall or floor collars certified for system compatibility. To incorporate sealing tape and fittings, place these in coat of system-tested joint adhesive and press down such that liquid waterproof coating is squeezed out at sides. Any unevenness or creases can be pressed down and smoothed out with finishing trowel.</p> <p>Note on bonding at side/end joints: A reactive, two-component Sopro sealing slurry (e.g. Sopro TDS 823 two-component turbo sealing slurry), Sopro FDK 415 fixing and waterproofing adhesive or (MS polymer-based) Sopro sealing adhesive (e.g. Sopro RMK 818 Racofix[®] universal adhesive) should be used to bond sealing tape and fittings. Moreover, under DIN 18 534, tape and fittings shall always be subsequently overcoated over full surface and beyond edges with waterproof membrane. Notes on membrane installation: Apply liquid waterproof coat to wall and floor surfaces in uniform thickness with selected tool, taking care to avoid pore formation. Likewise fully overcoat any pre-installed sealing tape and fittings. For critical substrates and heavy-duty applications, apply first waterproof coat with triangular-blade or sawtooth trowel and incorporate Sopro AR 562 scrim in fresh combed bed. Work waterproof</p>

coating to smooth finish using smoother. Apply second coat when first coat has fully dried through. Under DIN 18 534, liquid waterproof membranes shall be applied in at least two coats using contrast colours. After waterproof coats have fully dried, ceramic tiling may be installed using tile adhesive certified for system compatibility. Sopro FDF is not suitable for waterproofing floors of walk-in showers. For this purpose, Sopro flexible mineral sealing slurry or waterproof sheet membrane shall be used.

Application temperature	Optimum workability from +5 °C to +35 °C.
Coat thickness	Coat thicknesses after 2-coat application in accordance with good practice (see coverage chart). In compliance with good practice, liquid waterproof membranes shall be applied in at least two coats using contrast colours. Stated consumption rates are minimum values. Separate, good-practice evening out of substrate, e.g. through application of a skim coat, is a prerequisite. Under DIN standards, minimum dry coat thickness d_{min} must be ensured by adding an (imputed) thickness supplement equal to at least 25 % of d_{min} . Additional consumption for a 25 % thickness supplement is given as consumption for required minimum dry coat thickness $d_{min} \times 0.25$.
Coverage chart	Coat thicknesses after 2-coat application in accordance with good practice
Product colour	sivergrey
Shelf life	Approx. 24 months, subject to cool storage in well sealed containers; protect from frost
Specified times	Apply for normal temperature range of +23 °C and 50 % relative humidity; higher temperatures shorten and lower temperatures lengthen these times.
Suitable substrates	Cement, lime/cement and eminently hydraulic lime renders, masonry cement, gypsum plasterwork, gypsum plasterboard and gypsum fibreboard drywall panels, concrete, lightweight concrete, aerated concrete, flush-jointed masonry, grade V 100 GE 1 particleboard to DIN 68763, cement, mastic asphalt, magnesium oxychloride (magnesite) and calcium sulphate (anhydrite) screeds, existing ceramic coverings. Composite extruded polystyrene units; existing, firmly bonded adhesive residue from PVC flooring or carpeting. Where used in conjunction with timber substrates, please contact our Technical Service team.
Tool cleaning	Wash tools with water immediately after use
Tools	Lambswool roller, foam roller, sawtooth trowel, finishing trowel
Test certificates	ETAG: European technical approval (ETA): ETA no. 13/0155 under ETAG 022 Part 1; Reaction to fire class: E/Efl in conjunction with: sealing tape: AEB 641, AEB 148; angle seals: AEB 642, AEB 643; sealing collars: AEB 112, AEB 129, AEB 130, AEB 131, AEB 132, AEB 133, AEB 645; bonding at joints: MKS 819; tile adhesives: Sopro's No.1 (order no. 400), FKM XL 444, SC 808 and other Sopro components
Licence	EMICODE system of GEV (German Association for the Control of Emissions in Products for Flooring Installation, Adhesives and Building Materials): EC1 ^{PLUS} ("very-low-emission-plus") rating
Safety precautions	Exempt from labelling requirements under Regulation (EC) No 1272/2008 (CLP). EUH208 Contains 1,2-benzisothiazol-3(2H)-one; mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction. EUH208 Contains 2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol; 1,3,5-tris(2-hydroxyethyl)hexahydro-1,3,5-triazine. May cause allergic reactions.

EUH210 Safety data sheet available on request EUH211 Caution! Spraying may produce hazardous respirable droplets. Do not inhale aerosol or mist.
P102 Keep out of reach of children.
GISCODE D1

Disposal Considerations

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.
Clean waste packaging should be recycled when possible and authorized by the authority.
Hazardous waste: No
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

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

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