



Davco

BUILDING TRUST



PRODUCT DATA SHEET

SUPRACOAT SUPRAMIX

Special Latex Additive Mixed with Cement for Flexible cementitious waterproofing

DESCRIPTION

SUPRACOAT SUPRAMIX is a flexible synthetic latex emulsion incorporated with micro fibre-reinforced that mixed with Portland cement to form cementitious slurry to waterproof concrete surface structure. SUPRACOAT SUPRAMIX is also designed for used with sand mortar mixtures, tile adhesive and other cementitious material to improved bond, tensile, flexural strength and durability.

USES

SUPRACOAT SUPRAMIX is suitable for waterproofing to balconies precast panel, bathroom, RC gutter, planter, water fountains, floor slab and etc.

CHARACTERISTICS / ADVANTAGES

- Economical to use
- Easy to mix and apply
- Good crack bridging capability
- Good adhesion to well prepared substrate
- Multipurpose used as an additive to mortar mixtures

PRODUCT INFORMATION

Packaging	<ul style="list-style-type: none">▪ 4 kg pail▪ 16 kg pail
Shelf life	12 months from date of production
Storage conditions	Store in cool, dry elevated place
Appearance and colour	Milky white liquid

APPLICATION INFORMATION

Mixing ratio	Mix 4–5 kg of Portland cement with every 4 kg of SUPRACOAT SUPRAMIX
Consumption	~1 kg/m ² /2 coats
Pot Life	~1 hour at 30 °C
Drying time	~4 hours at 30 °C

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

IMPORTANT CONSIDERATIONS

- The waterproofed surfaced shall be allowed to cure for 36 hours before backfilling or applying any foreign toppings
- Ponding test shall be allowed 72 hours after final application

- Apply a minimum of 15 mm thick screeds over the cured SUPRACOAT SUPRAMIX immediately after the ponding test

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Clean the substrate of any protrusion or substrate that may damage the membrane. All surfaces must be structurally sound, dry, clean and free from movement, oil, grease, wax, curing compound and any other loose or contaminating materials. Dusty concrete or masonry should be swept clean and dampened with water prior to the application of mortar. New concrete must be allowed to cure for 6 weeks, with sufficient falls provided to avoid ponding on the finished membrane surface. Old concrete surface must be thoroughly cleaned prior to application. Make sure all release agents are removed from concrete surfaces, especially on tilt-up slabs. All junctions for wall and floor to install cement sand angle fillet.

MIXING

Mix 4–5 kg of Portland cement with every 4 kg of SUPRACOAT SUPRAMIX in a clear container using low-speed mechanical power mixer until a homogenous blend is achieved. Mix for 2–3 minutes to ensure proper dispersion of the components - no addition of water is allowed.

APPLICATION

Pre-wet the surface with clean water. However, do not allow water ponding prior to the application of SUPRACOAT SUPRAMIX mixture. Apply the mixture onto the prepared surface using a block brush, squeegee or roller in a stifling action. All edges between floor and wall to apply angle fillet using cement / sand prior to application of waterproofing. Apply minimum 2 coats depending on site conditions and film thickness required. Apply approximately 300 mm above the ground on the wall for skirting. If a trowel is used for application, all undulating or uneven areas must be patched to level before application of SUPRACOAT SUPRAMIX to prevent the material from building up too thick in one application.

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Product Data Sheet

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Before a second coat is applied, the first coat must be left to dry and tacky for approximately 2–3 hours depending on the thickness, substrate porosity and the temperature. Application should be done in criss-cross manner between coats.

Proper curing procedures are important to ensure the durability and quality of the coatings. To prevent surface cracking, protect from direct sunlight / strong wind conditions. It is recommended that the 2 coats receive a thickness of 1.5–2.0 mm. In areas with high hydrostatic pressure, 3 coats might be required. Thickness of the coated surface shall be monitored to ensure the requirements is achieved which shall withstand the specific water pressure. Special care need to be taken around expansion joints and joints between horizontal or vertical surfaces. Treat butt joints with suitable grouts when laying tiles. Seal expansion joints as per consultant details drawing. Supracoat Supramix must be protected by screeding or rendering after application. For retaining structures / application over renders / coatings over non-cementitious material, please consult our technical department for further assistance.

CLEANING OF EQUIPMENT

Tools and excess SUPRACOAT SUPRAMIX can be cleaned with water while it is still wet.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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