

PRODUCT DATA SHEET

SikaCoat®-500 Super

STYRENE-ACRYLIC COPOLYMER WATERPROOF LIQUID MEMBRANE COATING WITH INTERNALLY REINFORCED MICRO-FIBRES

DESCRIPTION

SikaCoat®-500 Super is a one component, water-base, liquid elastic waterproofing coating, based on styrene-acrylic copolymers with integral micro-fibre reinforcement. SikaCoat®-500 Super coating system is formulated to provide enhanced tensile strength of the coating product and forms a flexible, tough and durable reinforced protective waterproofing membrane layer. It is suitable for use in hot and tropical climates.

USES

- Waterproofing of flat (horizontal) roofs and on other types of substrates, including concrete decks / roof, asbestos roof, roof tiles (either concrete or clay type), cement mortar, metal / zinc roofs, tiles
- Waterproofing layer under tiles, e.g. balcony
- Vertical wall coating against surface water infiltration, bricks with plaster layer, mortars, roof tiles, repair of tiles and zinc eaves

CHARACTERISTICS / ADVANTAGES

- Impervious to rain and water splashes
- Elastic, waterproofing membrane
- High weather resistance and UV resistance
- Easy to apply by using brush or roller
- Good penetration in cracks, and resistant to cracking
- Able to absorb expansion and shrinkage movement without cracking
- Good bonding to various substrates
- Water-base and non-flammable
- Odourless and non toxic

PRODUCT INFORMATION

Packaging	<ul style="list-style-type: none"> ▪ 5 kg pail ▪ 20 kg pail
Colour	<ul style="list-style-type: none"> ▪ White ▪ Grey ▪ Green ▪ Also available in other colours upon request (subject to minimum order quantity)
Shelf Life	Up to 12 months from date of production
Storage Conditions	Store properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +30 °C.
Density	1.25 ± 0.03 kg/l
Solid content by weight	65 ± 2 %
Solid content by volume	52 ± 2 %

Volatile organic compound (VOC) content < 50 g/l

Viscosity ~130 KU

TECHNICAL INFORMATION

Tensile Strength ~2.2 N/mm² (ASTM D412)

Elongation at Break ~147 % (ASTM D412)

SYSTEM INFORMATION

System Structure	Coating System	Product	Consumption
	Primer coat	SikaCoat®-500 Super diluted with 10 % water	~0.3 kg/m ²
	First coat	SikaCoat®-500 Super	~0.65 kg/m ²
	Second coat	SikaCoat®-500 Super	~0.65 kg/m ²

APPLICATION INFORMATION

Waiting Time / Overcoating Tack free after 1–2 hours (at +30 °C)

Applied Product Ready for Use Total full cure ~72 hours (at +30 °C)

APPLICATION INSTRUCTIONS

MIXING

Mix SikaCoat®-500 Super manually or use a low speed mixer until it is completely homogeneous prior to application.

APPLICATION

Apply with a short-hair wool roller or brush. Prior to the application of SikaCoat®-500 Super, a priming coat must be applied and left to cure (tack-free). The primer coat is SikaCoat®-500 Super diluted with 10 % clean water and applied at a consumption of ~0.3 kg/m². After the primer is tack-free, apply first coat of SikaCoat®-500 Super at a consumption of ~0.65 kg/m². Apply another coat of SikaCoat®-500 Super as a final coat with similar consumption as the first coat, ~0.65 kg/m².

Prior to the application of additional coat, the indicated Waiting Time / Overcoating shall be followed.

CLEANING OF TOOLS

Clean all tools and application equipment with water immediately after use. Hardened material can only be removed mechanically or by using appropriate solvents to soften the cured materials before mechanical removal.

IMPORTANT CONSIDERATIONS

- SikaCoat®-500 Super should not be used in places where it is in permanent contact with water (water tanks, swimming pool, shower area, toilets, wet kitchens, etc), flooding and/or condensation.
- SikaCoat®-500 Super may be applied as a finishing paint.
- Do not place any sharp or piercing objects on the

cured SikaCoat®-500 Super.

- SikaCoat®-500 Super is not recommended in areas with constant or very long contact with water (immersed in water for a very long period).
- A minimum of 2 coats (not inclusive of primer) must be applied as a waterproofing system.

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.

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.

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.

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 war-

ranty 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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