

PRODUCT DATA SHEET

Sikafloor[®]-2 SynTop 2 SCD

HEAVY DUTY CEMENTITIOUS SURFACE TOPPING

DESCRIPTION

Sikafloor[®]-2 SynTop 2 SCD is a heavy duty cementitious surface topping produced using very high abrasion resistance aggregate (corundum) and special metallic aggregate to provide extra protection against impact. Sikafloor[®]-2 SynTop 2 SCD toppings exhibit high compressive strengths, resulting in an extremely durable surface finish. Abrasion resistance tests have shown Sikafloor[®]-2 SynTop 2 SCD to have much higher the wear resistance than that of plain concrete.

USES

Sikafloor[®]-2 SynTop 2 SCD may only be used by experienced professionals.

- Tipping floors
- Waste disposal transfer stations
- Heavy duty trucking aisles
- Hangar
- Crane rooms
- Loading areas
- Areas in front of elevators

- Areas around processing machines
- Any area where traffic and loading is extra heavy and ordinary concrete floors will break down eg. Mining, Oil & Gas etc
- Steel wheeled traffic surfaces
- Patching of abused areas
- For armoured floor joints in high impact areas

CHARACTERISTICS / ADVANTAGES

- High impact resistance
- Ductile and spall resistant
- Excellent resistance to steel wheel abrasion
- More economical than steel plate
- Oil and grease absorption resistant
- Ready to use and fast curing
- Can be applied in thickness from 13-50 mm depending on prevailing conditions
- Withstands heavy loads
- Designed for high abuse areas
- Quiet under traffic
- May be used to provide "armoured joints" in conventional concrete slabs

PRODUCT INFORMATION

Packaging	25 kg bag
Appearance / Colour	Powder / Dark grey
Shelf life	9 months from date of production if stored properly in original and unopened, sealed and undamaged packaging
Storage conditions	Store in dry conditions at temperatures between +15 °C and +30 °C. Protect from direct sun light.
Density	~2.76 kg/L (wet density), based on 10 % water to solids ratio

TECHNICAL INFORMATION

Abrasion Resistance	0.077 mm/ment	(ASTM C 944)
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Compressive Strength	1 day	~29.0 N/mm ²	(ASTM C 109)
	7 days	~58.0 N/mm ²	Pourable 10 %
	28 days	~68.0 N/mm ²	
Tensile Strength in Flexure	1 day	~3.0 N/mm ²	(ASTM C 348)
	7 days	~8.0 N/mm ²	Pourable 10 %
	28 days	~11.0 N/mm ²	

APPLICATION INFORMATION

Consumption	Consumption based on thickness of application 13 mm : ~36 kg/m ² 25 mm : ~70 kg/m ² 40 mm : ~111 kg/m ² Note : The above represents estimated requirements for dry material based on 10 % water/solids ratio. Requirements will vary with substrate levels. No allowance has been made for wastage.
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APPLICATION INSTRUCTIONS

APPLICATION

Water requirement :

10 – 11 % by weight of solids (for screed application)
(2.5 – 2.75 litre per 25 kg bag)

Concrete must be clean, dry, sound and free of all contaminants. The surface must be mechanically roughened to provide a minimum 3 mm profile. Edges and joints should be mechanically pinned to resist curling. Sikadur® 732 should be applied to the parent concrete prior to application of the new topping material. Sikafloor®-2 SynTop 2 SCD must be installed over tacky primer to the desired thickness, consolidated, compacted and finished according to project specifications.

CURING TREATMENT

As soon as final finishing is completed and workmen or equipment cannot damage the surface, apply 2 coats of either Antisol® E-125 or Sikafloor®-ProSeal-22, using a low-pressure sprayer. Do not water cure.

Caution:

Sikafloor®-Proseal-22 is inflammable material, in the case of inflammable curing compound required then use Antisol® E-125

CLEANING OF EQUIPMENT

Clean all tools and equipment promptly with clean water. Remove hardened product mechanically.

IMPORTANT CONSIDERATIONS

Not recommended for use over concrete containing calcium chloride additives.
Not recommended for areas where corrosive chemicals would rapidly attack cement concrete.
Note: Continuous exposure to water and salts may cause some surface rusting. This will not normally detract from the performance of the topping and will generally disappear with heavy traffic.

BASIS OF PRODUCT DATA

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

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

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 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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