

PRODUCT DATA SHEET

Sikafloor®-2 SynTop

DRY SHAKE FLOOR HARDENER

DESCRIPTION

Sikafloor®-2 SynTop is a high performance synthetic dry-shake hardener for concrete comprising of cement, hard aggregates, compatible admixtures and coloured pigments.

Sikafloor®-2 SynTop contains very hard, well-graded synthetic aggregates.

USES

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

Sikafloor®-2 SynTop provides a hard wearing, dry shake topping for monolithic floors. When sprinkled and trowelled into fresh wet concrete floors, it forms a coloured, wear resistant smooth surface.

Suitable for use in all cases where floors are subjected to severe mechanical wear and there is a need to apply special hard wearing surface coverings, such as:

- Warehouses;
- Distribution centers;
- Mechanical engineering workshops;
- Factories;
- Supermarkets and shopping malls;
- Garages, etc.;
- Aircraft hangers.

CHARACTERISTICS / ADVANTAGES

- Intrinsic colouring
- High resistance to abrasion
- Reduces surface dust
- Improves resistance to impact
- Improves resistance to oils and greases
- Easy application
- Eliminates the need of a monolithic screed
- Cost effective, long life floor

PRODUCT INFORMATION

Packaging	25 kg bag
Appearance / Colour	Form: Powder Colour shades: Grey, green Minimum quantities of order will be required for other colour shades.
Shelf life	Min. 12 months if stored properly in unopened, original packaging
Storage conditions	Dry, cool, shaded place
Density	~ 1.90 kg/l (bulk density of powder)

SYSTEM INFORMATION

System Structure	Mohs hardness of aggregate: 7–8 (steel core)
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APPLICATION INFORMATION

Consumption	~5 kg/m ²
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Waiting Time / Overcoating

According to the ambient temperature and the kind of cement used in the slab, waiting time should be:

- Pedestrian traffic: 2–3 days
- Light traffic vehicles: 7–10 days
- Normal traffic: 28 days

Applied Product Ready for Use

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

As soon as the substrate of concrete has reached plasticity (after bleeding, but before setting begins) smooth out the surfacing of the freshly poured concrete and level off with a vibrating straight edge.

APPLICATION

Sprinkle the Sikafloor®-2 SynTop mixture “by hand” over the smooth wet surface, at a rate of ~5 kg/m². Allow the Sikafloor®-2 SynTop to absorb moisture from the substrate and when evenly moist, consolidate, power float the surface of the Sikafloor®-2 SynTop.

Smoothing out: As soon as the mixture becomes plastic or just as it is about to set, carry out a pre-smoothing operation with the power float machine running at a low speed but fitted with a metal blade's at a minimum inclination. The final smoothing operation (if necessary) is carried out some time later, but with the power float machine running at a high speed.

CURING TREATMENT

Sikafloor®-2 SynTop mixture surface must be protected to prevent rapid water loss which can result in surface cracks. Therefore approved curing system shall be applied.

IMPORTANT CONSIDERATION

Min ambient temperature +5 °C.

Max ambient temperature +35 °C.

Relative air humidity 30 %-98 %.

Efflorescence may occur at low humidity.

Dry shake hardeners give a finish to concrete with some colour variation from point to point due to the natural variability of the concrete onto which they are applied.

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 declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

ECOLOGY, HEALTH AND SAFETY

Ecology: Do not dispose into water ways, drains etc.

Disposal: According to local law

Transportation: Non-hazardous

Precautionary measures: Sikafloor®-2 SynTop is cement base and is therefore alkaline. Suitable precautions should be taken to minimize direct contact with the skin. If the material gets into the eyes, rinse immediately with clean water and seek medical attention.

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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