

## PRODUCT DATA SHEET

# Sikafloor®-7 Color Hardener

### NON METALIC COLOR FLOOR HARDENER FOR STAMP CONCRETE APPLICATION

#### DESCRIPTION

A ready to use mixture of cement, pigments, additives and hard aggregate of mineral origin. The particles have been specially selected for their shape, grading, high physical quality and mechanical performance.

#### USES

Sikafloor®-7 Color Hardener may only be used by experienced professionals.

Sikafloor®-7 Color Hardener is added to slab surface to improve their resistance to abrasion and inhibit dust formation.

Sikafloor®-7 Color Hardener is suitable for all floor exposed to severe mechanical wear for example:

- Pedestrian & sidewalk
- Terrace

- Entrance floor
- Interior floor
- Garage etc.

#### CHARACTERISTICS / ADVANTAGES

- Suitable for stamp concrete application
- Good resistance to abrasion
- Reduce surface dust
- Improves resistance to impact
- Improves resistance to oils and greases
- Wide range of colour
- Easy application, Sikafloor®-7 Color Hardener is sprinkled onto the freshly placed concrete
- Even finish obtainable when properly smoothed

#### PRODUCT INFORMATION

Packaging	25 kg bag
Appearance / Colour	Powder / dark grey, red and light grey
Shelf life	9 months from date of production if stored properly in original, unopened and undamaged sealed packaging.
Storage conditions	Stored in dry conditions at temperatures between +5 °C and +30 °C.
Density	~1.4 kg/L

#### APPLICATION INFORMATION

Consumption	Average consumption: 3 kg to 5 kg per m <sup>2</sup> , depend on job requirement	
	Light duty :	3 kg/m <sup>2</sup>
	Medium duty :	4 - 5 kg/m <sup>2</sup>
For Sikafloor®-7 Color Hardener should be minimum 5 kg/m <sup>2</sup> . Yielding a surface strengthening coat of approx 2-3 mm thickness.		

## Drying time

Foot traffic :	1 - 2 days
For light vehicle traffic :	7 - 10 days
Fully cured after :	28 days

The Sikafloor®-7 Color Hardener surface must be protected to prevent early dryout, razing and bloom.

Therefore suitable curing system shall be applied on the concrete.  
Contact Sika Technical Service for further information

## 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.

## IMPORTANT CONSIDERATIONS

- The consumption Sikafloor®-7 Color Hardener application should be minimum 5 kg/m<sup>2</sup>.
- As nature of the material, silica sand used in Sikafloor®-7 Color Hardener may contain organic matter that may result on appearance of black spots on hardened Sikafloor®-7 Color Hardener surface.
- The application of the dry shake powder must not be carried out in strong wind or in dry conditions.
- Application Sikafloor®-7 Color Hardener should not make flatness and levelness, depend on concrete surface.
- Variations in concrete characteristics such as water content and cement may lead to slight colour variations.
- Dry shake hardeners give a finish to concrete with some colour variation across the floor due to the natural variability of the concrete onto which they are applied.
- To ensure optimum of colour consistency, it is essential that the floor laying operation is as clean and protected from the environment as possible.
- Colour variation during the drying out period is normal for this system and is to be expected.

## ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

The concrete slab should be at least 15 cm thick, the concrete should contain an adequate proportion of cement. It is recommended to add a suitable Sika concrete admixture to improve its properties (e.g. Sikament).

Level the freshly poured concrete by means of a vibrating beam. As soon as the plasticity permits, smooth the concrete preferably by using a mechanical trowel.

### APPLICATION

#### BROAD CASTING OF Sikafloor®-7 Color Hardener

The concrete slab is ready for the Sikafloor®-7 Color Hardener when a thumb pressed hard onto the surface only leaves a print of about 3 - 5 mm depth. Broadcast the mix evenly by hand or with suitable device.

#### COMPACTION

Wait until the Sikafloor®-7 Color Hardener has been evenly moistened by the water in the concrete, Use a low rpm mechanical trowel, held perfectly flat.

Note: If parts of the surface come loose or if the laitance rises, this means the concrete is still too fresh.

#### SMOOTHING

As soon as the plasticity or initial set allows, perform preliminary smoothing with the same machine running at low speed but equipped with metal smoothing blades, set at minimum angle.

Any final smoothing required should be performed later with the machine running at high speed.

#### JOINTS

Construction joints, expansion joints and floor joints should be saw-cut only after 24 hours. When the slab has hardened, the joints can be filled with the appropriate Sikaflex Sealant in accordance with the floor requirements.

## 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 exact product data and uses.

## 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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