

## PRODUCT DATA SHEET

# Sikafloor®-3 QuartzTop P

### COLORED MINERAL DRY SHAKE FLOOR HARDENER

#### DESCRIPTION

Sikafloor®-3 QuartzTop P is a pre-blended colored mineral dry shake hardener for concrete comprising of specially selected quartz mineral aggregates cements, compatible admixtures and pigments.

#### USES

Sikafloor®-3 QuartzTop P may only be used by experienced professionals.

- Sikafloor®-3 QuartzTop P provides a hard wearing, mineral dry shake topping for monolithic floors. When sprinkled and trowelled into fresh wet concrete floors, it forms a colored wear resistant smooth surface.
- Typical users are in warehouses, factories, shopping malls, public areas, restaurants and museums.

#### CHARACTERISTICS / ADVANTAGES

- Good wear resistance rating
- Impact resistance
- Cost effective surface hardener
- Dust proof
- Easy cleaning
- Increase resistance to oils and grease
- Quality assured factory blending
- Wide range of colours
- Suppresses fibres in concrete

#### PRODUCT INFORMATION

Chemical Base	Powder
Packaging	25 kg bag
Appearance / Colour	Natural, Grey, Green, Red
Shelf Life	12 months from date of production
Storage Conditions	stored in original sealed containers in dry conditions at temperatures between 5 °C and 30 °C

#### APPLICATION INFORMATION

Consumption	Approx. 5 kg/m <sup>2</sup>
Ambient Air Temperature	50° C min., 35 °C max.
Relative Air Humidity	30% RH min., 98% RH max.
Substrate Temperature	50 °C min., 35 °C max.

## Applied Product Ready for Use

Substrate temperature	10 °C	20 °C	30 °C
Foot traffic	18 hours	12 hours	8 hours
Foot traffic	10 days	7 days	5 days

The above values are dependent upon the concrete reaching its design strength for service ability and will be affected by changing ambient conditions.

## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY

The concrete should be of consistent quality. A concrete slump in the range 75 to 110mm will normally give best results.

The slab should be of good quality concrete with a minimum water/cement ratio consistent with the production of a fully compacted slab.

The compressive strength should be a minimum of 25N/mm<sup>2</sup>. The use of Sikament® or Sika® ViscoCrete® super plasticizers is advised to ensure the optimum quality of concrete and where fibers are used, maximum dispersion within the mix.

### APPLICATION

Automatic spreader in conjunction with a laser screed. Spread Sikafloor®-3 QuartzTop P evenly onto the concrete immediately after screeding at 5 kg/m<sup>2</sup> in one application.

#### Manual application:

Allow the surface bleed water to evaporate Sprinkle Sikafloor®-3 QuartzTop P onto the screed concrete evenly in 2 stages (first stage 3kg/m<sup>2</sup>, second stage 2 kg/m<sup>2</sup>). Care should be taken to apply the powder to avoid creating ripples etc. in the concrete surface. Overall application rate 5kg/m<sup>2</sup>. Casting Sikafloor®-3 QuartzTop P powder carelessly or further than 2 meters from point of casting will reduce the consistency of finish.

#### Complication:

The first stage should be worked into the slab followed immediately with the sprinkling on the second measurement of Sikafloor®-3 QuartzTop P. Sikafloor®-3 QuartzTop P results in the slab surface becoming stiff more quickly than usual. Careful trimming should take place along the edges where adjacent slabs are to be poured. Final finishing to close pores and remove undulations can be achieved either by hand or powered trowel.

#### Notes on application

The application of the dry shake powder should not be carried out in strong draughts concrete substrates characteristics such as water content and cement quality may induce slight color variations. Color variation during the drying period is normal for this system and is to be expected. Dry shake hardeners give a finish to concrete with some color variation across the floor due to the natural variability of the concrete onto which they are applied. At low relative humidities

there is a risk of efflorescence. At high relative humidity there is a risk of bleeding, slower curing, hardening and extended finishing operations. After finishing operations and completing saw cuts, clean off any residual, lubricant slurry without delay. Joints can be filled with the appropriate Sikaflex® sealant in accordance with the floor design requirements.

### CURING TREATMENT

Cure and seal Sikafloor®-3 QuartzTop P immediately after finishing using Sika Antisol S (refer to separate product data sheet ) curing compound over the floor at a rate of 0.2 liters per m<sup>2</sup>.

### LIMITATIONS

During application in closed rooms, pits and shafts, etc., sufficient ventilation must be provided . Keep away open light including welding.

To avoid rare allergic reactions, we recommend the use of butyl rubber/nitrile rubber gloves. Change soiled work clothes and wash hands before breaks and after finishing work. Local regulations as well as health and safety advice on packaging labels must be observed.

### 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 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 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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