

# PRODUCT DATA SHEET

## Sikafloor® Chapdur

### COLOURED MINERAL DRY SHAKE FLOOR HARDENER

#### DESCRIPTION

Sikafloor® Chapdur is a ready-to-use, dry-shake type, cementitious based floor hardener. Sikafloor® Chapdur contains very hard, well-graded natural aggregates.

#### USES

Sikafloor® Chapdur may only be used by experienced professionals. For superficial reinforcing of floor surfacing and slabs in order to increase the resistance to abrasion and hence to reduce the formation of dust. 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
- Circulation lanes
- Mechanical engineering workshops
- Parking lots
- Service station
- Garages, etc.

#### 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
- Even finish obtainable when properly smoothed

#### PRODUCT INFORMATION

<b>Packaging</b>	25 kg bag
<b>Appearance / Colour</b>	Powder Grey, green, red Minimum quantities of order will be required for other colour shades.
<b>Shelf life</b>	Min. 12 months if stored properly in unopened, original packaging
<b>Storage conditions</b>	Dry, cool, shaded place
<b>Bulk Density</b>	~1.65 kg/l

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## TECHNICAL INFORMATION

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### Resistance to Impact

### Chemical resistance

Sikafloor® Chapdur cures monolithically to produce a dense, high abrasion resistant surface. The floors have similar chemical limitations as other cementitious products.

### Mohs hardness

Mohs hardness of aggregate: 6 to 7 (steel score)

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## APPLICATION INFORMATION

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### Consumption

3–6 kg per m<sup>2</sup>  
4 kg/m<sup>2</sup> for normal traffic area  
5–6 kg/m<sup>2</sup> for heavy traffic area

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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
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## 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® Chapdur mixture “by hand” over the smooth wet surface, at a rate of 3-6 kg/m<sup>2</sup>. Allow the Sikafloor® Chapdur to absorb moisture from the substrate and when evenly moist, consolidate, power float the surface of the Sikafloor® Chapdur. 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® Chapdur 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

The application of the dry shake powder should not be carried out in strong draughts.

Concrete substrate characteristics such as water content and cement quality may induce slight colour variations.

Colour variation during the drying our period is normal for this system and is to be expected.

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.

At low relative humidities there is a risk of efflorescence.

At high relative humidities there is a risk of bleeding, slower curing, hardening and extended finishing operations.

## 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 class:** Non-hazardous

**Precautionary measures:** Sikafloor® Chapdur 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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