

Technical Data Sheet
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Chapdur®-(Sikafloor-3 QuartzTop)



PT ANUGERAH MANDIRI WATERPROOF

Chapdur® -(Sikafloor –3 QuartzTop) Non Metallic Floor Hardener

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	Chapdur is added to slab surface to improve their resistance to abrasion and inhibit dust formation. Chapdur is suitable for all floor exposed to severe mechanical wear for example: <ul style="list-style-type: none"> ■ Warehouse ■ Quays ■ Traffic lanes ■ Engineering workshop ■ Car-parks ■ Service stations ■ Garage etc.
Advantages	<ul style="list-style-type: none"> ■ High resistance to abrasion ■ Reduce surface dust ■ Improves resistance to impact ■ Improves resistance to oils and greases ■ Intrinsic colouring ■ Easy application, Chapdur is sprinkled onto the freshly placed concrete ■ Even finish obtainable when properly smoothed
Coverage	Average consumption : 3 kg to 6 kg per m ² , depend on job requirement Light duty : 3 kg/ m ² Medium duty : 4-5 kg/ m ² Heavy duty : 6 kg/ m ² Yielding a surface strengthening coat of approx 2-3 mm thickness
Instruction for Use	
Surface 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.
Broad casting of Chapdur Premix	The concrete slab is ready for the Chapdur cement coating 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 Chapdur 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.
Curing	The Chapdur surface must be protected to prevent early dry-out, crazing and bloom. Therefore suitable curing system shall be applied on the concrete. <i>Contact Sika Technical Service for further Information</i>
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
Curing Time	Foot traffic : 1 – 2 days For light vehicle traffic : 7 – 10 days Fully cured after : 28 days

Technical Data

Form	Powder
Colour	Natural, Grey, Pebble Grey, Green, Red
Mohs Hardness	7 – 8 (steel score)
Bulk Density	~ 1.4 kg/l
Shelf Life	1 year when unopened
Storage	Dry, cool and shaded place
Packaging	25 kg bag

Handling Precautions:

- Avoid contact with skin and eyes
- Wear protective gloves and eye protection during work
- If skin contact occurs, wash skin thoroughly
- If in eyes, hold eyes open, flood with warm water and seek medical attention without delay.

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 product when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or 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 proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sales and delivery. Users should always refer to the most recent issue of the technical Data Sheet for the product concerned, copies of which will be supplied on request.



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