

Sika Chapdur® - Corundum

High Performance Floor Hardener

Product Description	Sika Chapdur® -Corundum is a ready-to-use mixture of cement, pigments, additives and hard aggregate specially selected for their shape, grading, high physical quality and mechanical performance.
Uses	Sika Chapdur® -Corundum is added to slab surfaces to improve their resistance to abrasion and inhibit dust formation. Sika Chapdur® -Corundum is suitable for all floors subjected to high abrasion, such as: <ul style="list-style-type: none"> ■ Warehouses, quays, traffic lanes and Workshops. ■ Heavy duty floor slabs. ■ Car parks, service stations, garages etc.
Advantages	<ul style="list-style-type: none"> ■ Sika Chapdur® Corundum improves abrasion resistance. ■ Reduces surface dust. ■ Non Slip Properties. ■ Easy application. ■ Saves time and labour costs by eliminating the need for a monolithic screed. ■ Even finish obtainable when properly smoothed.
Test certificate	Taber Test. National Research Center, Report no. M01 5893 02 2007 Sika Chapdur® -Corundum has been tested as per SCAQMD Rule 1168. Result: VOC Content < 0 g/L
Product Data	
Colour	Cement-grey. Note: Concrete substrate characteristics such as water content and cement quality may induce slight colour variations.
Packaging	30 kg bags.
Storage	Store in dry conditions
Shelf life	12 months from date of production if stored properly in original unopened packing.
Technical Data	
Apparent Density	~ 1.4 kg/l.
Resistance to wear	ASTM D 4060
Application	
Consumption (average)	3.0 to 5.0 kg/m ² , yielding a surface strengthening coat of approx. 2 - 3 mm thickness.
Substrate preparation	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.
Broadcasting of Chapdur® -Corundum	The concrete slab is ready for the Chapdur® -Corundum cement 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® -Corundum 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 Sika Chapdur® -Corundum surface must be protected to prevent early dry-out, crazing and bloom. Immediately after smoothing, apply a coat of curing compound (Antisol - 90) on the concrete (dosage approx. 100 – 150gr/m2).
Joints	Contraction 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

(depending on temperature and type of cement)

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

Safety Instructions

Ecology	Do not dispose of into water or soil but according to local regulations.
Toxicity	Non-Toxic under the relevant health and safety codes.
Transport	Non-hazardous.

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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