

Product Data Sheet
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Sika® Chapdur®

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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	<p>Sika Chapdur is added to slab surface to improve their resistance to abrasion and inhibit dust formation.</p> <p>Sika Chapdur is suitable for all floor exposed to severe mechanical wear for example:</p> <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	<p>Average consumption : 3 kg to 6 kg per m², depend on job requirement</p> <p>Light duty : 3 kg/ m²</p> <p>Medium duty : 4-5 kg/ m²</p> <p>Heavy duty : 6 kg/ m²</p> <p>Yielding a surface strengthening coat of approx 2-3 mm thickness</p>
Instruction for Use	
Surface Preparation	<p>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)</p> <p>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.</p>
Broad casting of Chapdur Premix	<p>The concrete slab is ready for the Sika 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.</p>
Compaction	<p>Wait until the Sika Chapdur has been evenly moistened by the water in the concrete, Use a low rpm mechanical trowel, held perfectly flat.</p> <p><i>Note : If parts of the surface come loose or if the laitance rises, this means the concrete is still too fresh</i></p>



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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, Light Grey, Pebble Grey, Green, Red
Mohs Hardness	7 – 8
Bulk Density	~ 1.4 kg/l
Shelf Life	9 months when unopened
Storage	Dry, cool and shaded place
Packaging	25 kg bag
Important Notes	As nature of the material, silica sand used in Sika [®] Chapdur [®] may contain organic matter that may result on appearance of black spots on hardened Sika [®] Chapdur [®] surface. Uncured material must be disposed according to local regulations. Fully cured material can be disposed of as household waste under agreement with the responsible local authorities. Detailed health and safety information as well as detailed precautionary measures e.g. physical, toxicological and ecological data can be obtained from the safety data sheet.
Handling Precautions:	<ul style="list-style-type: none"> ■ 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 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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