

Sika® Chapdur Premix®

Non Metallic Floor Hardener

Product 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 Sika® Chapdur® is added to slab surface to improve their resistance to abrasion and inhibit dust formation. Sika® Chapdur® is suitable for all floor exposed to severe mechanical wear for example:

- Warehouse.
- Quays.
- Traffic lanes.
- Engineering workshop.
- Car-parks.
- Service stations.
- Garage etc.

Characteristics / Advantages

- High resistance to abrasion.
- Reduce surface dust.
- Improves resistance to impact.
- Improves resistance to oils and greases.
- Wide range of colour.
- Easy application, Sika® Chapdur® is sprinkled onto the freshly placed concrete.
- Even finish obtainable when properly smoothed.

Product Data

Appearance / Colour Grey.

Packaging 25kg Bag.

Storage conditions / Shelf-life 12 months minimum from production date if stored properly in original unopened, sealed and undamaged packaging. Store in a dry area between 5°C and 35 °C. Protect from direct sunlight.

Density ~ 1.4 kg/litre.

Technical Data

Consumption Average consumption : 3 kg to 6 kg per m², depend on job requirement

Light duty :	3 kg/m ²
Medium duty :	4-5 kg/m ²
Heavy duty :	6 kg/m ²

For Sika® Chapdur® Colour should be minimum 5 kg/m²
Yielding a surface strengthening coat of approx 2-3 mm thickness.



Curing	Foot traffic :	1 – 2 days
	For light vehicle traffic :	7 – 10 days
	Fully cured after :	28 days
<p>The Sika® Chapdur® surface must be protected to prevent early dry-out, crazing and bloom.</p> <p>Therefore suitable curing system shall be applied on the concrete.</p> <p>Contact Sika Technical Service for further Information.</p>		

Application Details

Broadcasting	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.
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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>Note: If parts of the surface come loose or if the laitance rises, this means the concrete is still too fresh.</p>
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Smoothing	<p>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.</p> <p>Any final smoothing required should be performed later with the machine running at high speed.</p>
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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.
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Limitations	<ul style="list-style-type: none"> ■ The consumption Sika® Chapdur® application should be minimum 5 kg/m² ■ 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. ■ The application of the dry shake powder must not be carried out in strong wind or in dry conditions. ■ Application Sika® Chapdur® should not make flatness and levelness, depend on concrete surface. ■ Variations in concrete characteristics such as water content and cement may lead to slight colour variations. ■ 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. ■ To ensure optimum of colour consistency, it is essential that the floor laying operation is as clean and protected from the environment as possible. ■ Colour variation during the drying out period is normal for this system and is to be expected.
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Basis of Product Data All technical data stated in this 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 and recommended uses for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data and uses.

Health and Safety information For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety related data.

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 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, must 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 sale and delivery. Users must always refer to the most recent issue of the Product Data Sheet for the product concerned, copies of which will be supplied on request or accessed on the Internet under nga.sika.com.



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