

PRODUCT DATA SHEET

Sika® Chapdur® Premix

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

Sika® Chapdur® Premix may only be used by experienced professionals.

Sika® Chapdur® Premix is added to slab surface to improve their resistance to abrasion and inhibit dust formation.

Sika® Chapdur® Premix is suitable for all floor exposed to severe mechanical wear for example:

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

PRODUCT INFORMATION

Packaging	25Kg Bag
Appearance / Colour	Grey
Shelf life	12 months minimum from production date.
Storage conditions	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between 5°C and 35°C. Protect from direct sunlight.
Density	~ 1.4 kg/litre.

CHARACTERISTICS / ADVANTAGES

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

APPLICATION INFORMATION

Consumption

Average consumption : 3 kg to 6 kg per m², depend on job requirement
Light duty : 3 kg/m²
Medium duty : 4-5 kg/m²
Heavy duty : 6 kg/m²
Yielding a surface strengthening coat of approx. 2-3 mm thickness.

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.

ECOLOGY, HEALTH AND SAFETY

IMPORTANT CONSIDERATIONS

- As nature of the material, silica sand used in Sika® Chapdur® Premix may contain organic matter that may result on appearance of black spots on hardened Sika® Chapdur® Premix surface.
- The application of the dry shake powder must not be carried out in strong wind or in dry conditions.
- 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.
- When Sika® Chapdur® Premix is applied too early, water needed for hydration of the concrete will be absorbed and this may affect the strength of the concrete surface layer.
- When Sika® Chapdur® Premix is applied too late, there will be insufficient moisture from the concrete to complete the hydration process of Sika® Chapdur® Premix and may cause crazing or pitting.

APPLICATION INSTRUCTIONS

Broadcasting

The concrete slab is ready for the Sika® Chapdur® Premix 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 Sika® Chapdur® Premix 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.

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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LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

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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