

HardTop C

Dry shake hardener for industrial floors

Description

HardTop C is a pre-blended mortar containing quartz aggregates and special admixtures used onto the fresh surface of industrial floors, providing high abrasion and impact resistance.

When trowelled into freshly laid concrete, or applied as topping screed over old concrete floor, **HardTop C** will produce dense, tough and a highly abrasion resistant surface suitable for most industrial floor.

Certified according to EN 13813 and is classified as CT-C70-F7-AR2.

Fields of application

HardTop C is used in those applications where high mechanical strength is required. It is applied to cement-based substrates like concrete or cement screeds. Suitable for industries, basements, auto repair shops, machine shops, car parks, warehouses, loading and unloading areas, etc.

Technical data

Form:	cementitious powder
Bulk Density of dry mortar:	1.60 +/- 0.20 kg/l
Compressive Strength: <i>ASTM C109</i>	72.0 N/mm ²
Flexural Strength: <i>BS EN 13892-2</i>	8.0 N/mm ²
Maximum wear depth: <i>BS EN 13892-4</i>	0.6 mm

Bond strength by pull-off: ≥ 2.0 MPa
EN 1542:2002

Direction to use

Substrate Preparation

The substrate can be either:

- the fresh reinforced concrete structure, or
- a leveling screed at least 5 cm thick, which will have to be well adhered to the substrate (concrete) through a bonding layer.

Application

HardTop C is applied dry. It is evenly broadcast onto the fresh concrete or screed, right after initial set, in two stages (1st stage: approx. 2/3 of the total quantity, 2nd stage: the rest 1/3 of the total quantity).

Finally, the material is treated with a special smoothing machine (power float).

With the smoothing machine, compaction of the first application to the fresh concrete is achieved and then follows the compaction and the treatment of the second application.

Materials should be applied at the following rates:

HardTop C 3 - 5 kg/m²



Packaging

HardTop C is supplied in 25 kg HDPE bags..

Shelf life & storage

12 months from production date if stored in original, unopened packaging, in temperature between +5°C and +35°C. Protect from direct sun exposure and frost.

Remarks

- Temperature during application should be at least +5°C.
- The product contains cement, which reacts with water forming alkaline solutions, thus is classified as irritant.
- Please consult the safety instructions written on the packaging before use.

Health & safety

The product contains cement powders which, when mixed with water, release alkalis that could be harmful to the skin. It is preferable that the application be done in a ventilated area, and to wear protective gear for hands, eyes and respiratory system and to avoid breathing of the dust. Splashes on the skin should be washed away by cleaning with soap and water. In case of contact with eyes, wash thoroughly with clean water. If swallowed, do not induce vomiting, in both cases seek medical attention. The product is non-flammable.

Notes

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