



Maxx Hardtop

Non Mettalic Monolithic Surface
Hardening Compound



ISO 9001:2015



Smart Cities & Green
Building Concept in India



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Non Metallic Monolithic Surface Hardening Compound

Description

Maxx hardtop is quality controlled factory blended powder which are ready to use on site. MaxxHardtop is specially made with special hard – wearing aggregates having high abrasion & wear resistance of suitable shape & size. It is applied as a dry shake over freshly floated concrete to provide a durable, non – slip monolithic floor.

Recommended Uses:

- Flooring of breweries , food processing plants, where a durable non – rusting , non – slip floor is required to withstand moderate to heavy traffic.
- Industrial area subjected to heaviest traffic like loading bays, ramps, stairs, landings etc. Under wet or dry conditions.
- Maxx Hardtop is not recommended for use in areas where floor surface will be exposed to acids, their salts or materials which seriously & rapidly attacks concrete.

Advantages:

- Non – metallic does not rust or stain.
- Provides a dense, non porous surface.
- Forms monolithic bond with base concrete .
- Provides high abrasion & wear resistance hard surface.

Features & Benefits :

- High abrasion & impact resistance - long service life
- Non rusting - suitable for wet environment
- Dense surface – Resist oil & grease penetration

Specification Clause :

Non metallic surface floor hardner

All concrete floor shall be surfaced or broadcast with Maxx Hardtop a non metallic monolithic surface floor hardening compound containing rust free, hard wearing aggregate. The aggregate shall have a Moh's hardness of not less than 9 for Maxx Hardtop.

Compressive Strength

Maxx Hardtop shall possess a minimum compressive strength of 60 N/mm² .
When tested as per IS : 516-1959.

Properties :

Abrasion Resistance (IS : 1237 – 1980)

Test result showed that Maxx Hardtop improves the abrasion resistance of concrete by 225% when tested guideline in IS : 1237 – 1980

Application :

Maxx Hardtop is applied in two stages.

- Maxx Hardtop is evenly broadcast on the surface of the concrete when the material becomes uniformly dark by absorption of moisture from the concrete then this first application can be floated.
- Immediately after floating the remaining 50% material sprinkled evenly over the surface. Again moisture is absorbed & the surface can be floated in the same way as before.
- Final finishing of the floor using blades of a power float can be carried out when the floor has stiffened sufficiently.

Maxx Hardtop is applied for different types of Industrial use.

- **Light traffic : 3.0 Kg/sq.m**
- **Medium : 5.0 Kg / sq.m**
- **Heavy : 7.0 Kg/sq.m**

Timing of Application :

The timing of application is important. If applied too early, bleed or excess water will wash away the cementitious content of the product.

If the application is done too late, there will not be sufficient moisture to absorb the material into the concrete. If material forcibly applied & trowelled thus, will cause cracks on the surface later as there is no water/moisture to hydrate the product.

Health & Safety:

Maxx Hardtop is non – hazardous. It should not be swallowed or allowed to come into contact with skin or eyes. Suitable protective goggles & gloves should be worn. In the case of contact with eyes, rinse immediately with plenty of water & seek medical advice.

Curing :

Maxx Hardtop should be cured by fresh water.

Packaging :

Maxx Hardtop is available in **25 Kg** bag.

Storage :

12 month storage life when stored in original unopened bags in cool, dry & shaded place.

Note : All information is given in good faith on the result gained from experience & test . However all recommendation or suggestion are made without gurantee since we don't have any control on site condition & it's uses.

GLOBE CONSTRUCTION CHEMICALS

An ISO 9001 : 2015 Company

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