

HARDONATE MINERALTOP

Heavy Duty Non-Metallic Abrasion Resistant monolithic Concrete Floor Hardener

DESCRIPTION

HARDONATE MINERALTOP is a ready to use composition consisting of Polymer modified binders and graded quartz aggregates, formulated for dry shake on application and for trowel embedment on fresh monolithic concrete surfaces requiring high degree of abrasion resistance.

ADVANTAGES:

- High performance surface hardener
- Provides highly abrasion resistant surface to concrete floors by the dry shake on system
- Resistant to oil and grease penetration
- Can handle heavy duty traffic without durable wearing, spalling and dusting
- Ensures hard wearing surface
- Ready to use
- Bonds monolithically with base concrete

FUNCTION:

HARDONATE MINERALTOP ensures a non-metallic abrasion resistant surface to concrete floors by the dry shake-on system. It bonds monolithically with the base concrete, ensuring high levels of performance.

USES:

HARDONATE MINERALTOP treated surface is capable of handling heavy duty traffic and is resistant to wearing, dusting, spalling and deterioration.

HARDONATE MINERALTOP is designed to effectively reinforce indoor and outdoor concrete floors for light, medium & heavy-duty industries and other areas requiring durable and abrasion resistant concrete floors.

HARDONATE MINERALTOP can be used at the time of floor construction or when re-topped with at least 25mm. properly bonded new concrete. **HARDONATE MINERALTOP** adds to the hardness and greatly extends the life of any good concrete floors or pavements. The use of **HARDONATE MINERALTOP** compensates for normal concrete aggregate segregation and surface weakening. However, it will not substitute for poor floor design or construction.



HARDONATE MINERALTOP is recommended for use in indoor and outdoor floors and pavements in public and industrial places, warehouses, production areas, loading bays, shopping centers, schools and institutions, commercial complexes, garages, showrooms, laundries, parking lots, plazas, recreation areas etc.

METHOD OF APPLICATION:

The base concrete shall be laid and finished as per the standard concrete construction practice. The required profile shall be ensured at the time of concreting. Care shall be taken to ensure complete compaction at bay edges. **HARDONATE MINERALTOP** can be broadcast on the base concrete as soon as it stiffens to the level where light foot traffic can be allowed with minimum imprint of 2 to 3 mm.

Two-third quantity of **HARDONATE MINERALTOP** shall be broadcast initially and shall be floated as soon as the absorption of surface moisture is complete. The balance quantity shall be broadcast preferably at right angles to the first application and floating repeated to get uniform finish. For floating, wooden floats or in large area the disc of the power float can be used. The final finish of the floor can be done by using power float, fitted with blades.



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CURING:

The standard practice as adopted for curing concrete structures shall be adopted for **HARDONATE MINERALTOP** treated surfaces.

COVERAGE:

Depending on the type of the industry, suitable quantity of **HARDONATE MINERALTOP** can be selected. The indicative rate of application for different type of industry is given below.

Light duty	:	2.5 kg/m ²
Medium duty	:	3.5 kg/m ²
Heavy duty	:	5.0 kg/m ²

STORAGE:

HARDONATE MINERALTOP will retain its properties for at least 12 months when kept in the original packing.

SAFETY:

HARDONATE MINERALTOP is alkaline in nature, Avoid contact with skin for prolonged period. Any contact with eye, wash immediately with plenty of water.

PACKAGING:

40 Kg Polythene lined bags.