

## **FASTONATE**

Concrete Hardener & Waterproofer

### **WHAT IS FASTONATE ?**

**FASTONATE** is a metallic aggregate - tough, ductile, specially processed and size-graded particles of iron, combined with our exclusive chemical dispersing agent which enables the metal hardener to move more easily into the surface. Cement plaster work or concrete, by nature contains innumerable microscopic cells and these cells tend to disintegrate under constant pressure. Due to the chemical reaction in

**FASTONATE** oxidation of the iron particles causes expansion which results in greater density and strength under traffic and the metal tends to flatten and produce a smoother surface.

**FASTONATE** is usually applied to concrete floors intended to carry heavy rolling loads, which are often from two to five times greater than the bearing power of ordinary concrete floors. Due to compression and impact the surface crushing action takes place, which results in heavy dusting and subsequently, potholes in the floor, which are greater impediments in the smooth and normal functions of factory. The high compressive strength of **FASTONATE** topping resists the shock and abrasion of heavy loads. Additionally, **FASTONATE** topping provides necessary slip resistance, where moisture or oil comes in contact with the floor and **FASTONATE** topping is a must to protect employees working under very wet conditions, for surefooted safety. It can be used effectively in location, like platforms, bridges, traffic aisles, piers, industrial plants, terminals, warehouses etc.

Food products Cos., Dairies, Pharmaceutical Works, Dyes & Chemical Works are essentially required to be dust-proof and only **FASTONATE** provides a dustproof floorings.

### **ADVANTAGES OF FASTONATE TOPPING**

Provides armour-like surface of flint-hard density.

Provides non-porous, non-slippery and anticorrosive resistance.

Washable and absolutely sanitary.

Adds many useful years of floor-life and eliminates expenses of troublesome and costly repairs.

Dense, Durable, Dust-proof and wear & tear resisting floor.

### **APPLICATION / COVERAGE**

One part of **FASTONATE** and 4 parts of **CEMENT** to be mixed thoroughly in dry state in the proportion of 1:4 by weight to 2 parts of Crushed duly mixed with required quantity of water to make it a working slurry.

20 Kgs. of **FASTONATE** is sufficient to cover an area of 100 sq. Ft. with 1/2 thickness for HEAVY DUTY FLOOR.

15 kgs. of **FASTONATE** is sufficient to cover an area of 100 Sq. Ft. with 1/2 thickness of LIGHT DUTY FLOORS, the method of application being the same as for heavy duty floors and having not necessity for a granolithic bases.

### **APPLICATION TO OLD SURFACES**

Clean the surface thoroughly and remove dust, grease, oil, lichen, moss etc. Make the surface rough and cure it with water before topping with **FASTONATE** in the above proportion.



## **PRECAUTIONS**

**FASTONATE** should be kept perfectly dry until mixed with Cement and grits later.

The ingredients should be free from dust and other foreign materials and should be of high quality.

Thorough mixing with Cement is essential for an even dispersion of **FASTONATE** for better results. Calm and steady trowelling after the surface has started initial setting will ensure a metallic surface.

Correct proportion and procedure as specified will obtain the results.

Keep water contents as low as possible for workability.

Prepare only such quantity of **FASTONATE** mixture which could be used within 30 minutes after adding water to the mixture.

Do not allow dry cement or mixture of cement and sand to be sprinkled on the **FASTONATE** topping to speed up the work or to correct inequities in the surface.

Cure the surface of **FASTONATE** topping, as directed, for at least 10 days.

**PACKING** : Supplied in 50 kg. Bag.

**NOTE** : The above information and details are based on the test conducted and experience on application and usage. The user is advised to carry out tests and take trials to satisfy himself on the suitability of the product meeting his requirement considering prevailing conditions prior to applying/using the product on larger area. As the conditions under which the products are used or transported are beyond our control, we will not hold ourselves responsible for its consequential performance.

### **TECHNICAL AID SERVICE PROVIDED ON REQUEST**

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