

FloArm Hard Q(M)

(Formerly known as MYK TOP 150-M)

Dry shake Monolithic Non-metallic surface Hardener



TECHNICAL DATA SHEET

Product Description

Ready to use non-metallic floor and surface hardener, based on combination of natural and hard aggregates. The well graded grains/aggregates play an important role in the physical properties of abrasion and wear resistance. It is basically a blend of port land cement and special additives to improve workability, this combination produces a material which is easy to trowel into the fresh surface concrete. FloArm Hard Q(M) provides a dense non-porous surface which is extremely hard wearing and abrasion resistant the standards are quality controlled, factory blended and is ready to use at the site. The floor hardener designed being a non-metallic is antiskid, are rendered tough, wear resistant, dust free, does not rust and do not disintegrate from the floor. It bonds monolithically to the base concrete and it can be applied to both old and new concrete floors. It can be applied for wet rooms as well as outdoor applications.

General

Floor is one of the parts of any building, in particular the industrial building continuously subjected to wear and tear. The factory floor on account of movement of materials with iron tired trolleys and vibrations caused due to running of machines is likely to suffer damages. Wear resistant floor must be provided in the beginning to prevent the damage caused to the floor. Repairing the old industrial floor is not only costly but also interfering in the production process. In the past there were few materials like ironite, liquid floor hardeners etc to make the floor surface hard. Now we have modern floor toppings materials such as dry shake non-metallic floor hardeners.

Uses

FloArm Hard Q(M) can be employed, where an economical, durable surface or floors are desired
Production assembly storage halls and warehouses
Hard toppings for any indoor or outdoor floor installations
Loading and unloading rafts and bays.

Features and Benefits

- FloArm Hard Q(M) surface possess the following properties:
- Good wear and abrasion resistant topping which are non-dusting
- Non-slip and anti skid even in areas where oil is spilled
- Monolithic bond with the base concrete
- Facilitates easy cleaning
- Long life and low maintenance
- It resists petrol, mineral oils etc
- Non-rusting and thus trouble free
- Increased strength and impact resistant
- Suitable for repairs of old floors and toppings for new floor
- About 1.5 times abrasion resistant compared to normal conventional concrete floor

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Application Method

Application: Time of application:

The time of application is very important in order to derive full benefits. If FloArm Hard Q(M) is applied too early, it will absorb water and may sink to the bottom. If application is delayed, no moisture from the concrete surface will be available from the concrete to hydrate FloArm Hard Q(M), resulting in poor pitted surface. As a general guidance the application should be made between 1-3 hours.

The application is made in two stages

1) in the first operation broadcast 50% of the required material evenly manually and when the surface becomes dark by absorbing the water the surface is floated.

2) The second application is made immediately after by evenly broadcasting the balance 50% material and when the surface has darkened with the absorption of water the surface is floated. Power floating is ideal.

3) The second troweling is done after the surface has sufficiently stiffened after 2 hours after the 1st troweling to close any pores and to remove any disc marks.

Curing:

After final troweling, as soon as the surface has hardened sufficiently to prevent damage it should be covered with polythene sheet and made air tight by placing sand all-round the sheet for a minimum of seven days. Alternatively, water curing by ponding is recommended for 7 days.

Properties:

FloArm Hard Q(M) has been tested as per IS1237 against control concrete for abrasion resistance.

Base concrete:

The base concrete should have minimum cement content of 300 Kgs/cm². The concrete mix should be designed to minimize segregation and bleeding with free W/C ratio less than 0.50. The concrete should be pumpable with minimum slump of 80mm to 100mm. Use of MYK Arment water reducing concrete Admixtures is recommended. Before commencement of the application, the base concrete should be checked and cleared whether it is sound, clean and free from any spillages, to assure the proper bonding of the compensating layer and even the base concrete should be wetted for 24 hours.

Consumption

Application rate Kg/M² Intended traffic use Avg Wear (IS1237-1980)

7 Kgs	Heavy	<2mm
5 Kgs	Medium	>2<3.5mm
3 Kgs	Light	>3.5<4mm

Packaging

- 25 kg pack

Storage and Shelf Life

12 months if stored in cool dry shaded condition in original sealed pack

Health & Safety

FloArm Hard Q(M) should be applied with gloves and care should be taken to see that it does not fall on skin or eyes. Splashes on to eyes have to be immediately washed with plenty of clean water and medical advice has to be taken

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Product Categories Available



Legal Note

The information, and, in particular, the recommendations relating to the application and end-use of MYK Arment products, are given in good faith based on MYK Arment current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with MYK Arment's recommendations. In practice, the difference in materials, substrates and actual site conditions are such that no warranty in respect of merchant ability 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 & purpose. MYK Arment 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.