

POLY FLOOR HARD-M (METAL)

Impact And Abrasion Resistant Metallic
Dry Shack Monolithic Floor Hardener

Product Description

POLY FLOOR METAL is a dry shake - on metallic floor hardener, designed of clean and graded steel aggregates together with a unique polymer modified cementations blend.

POLY FLOOR METAL bonds monolithically with the concrete substrate eliminating cracking, shrinkage, curling and other problems associated with thin floor layers.

Typical Application

- Industrial Floors.
- Warehouses where high abrasion and impact loads are expected.
- Passenger & freight terminals.
- Iron armored joints.
- Distribution centres.
- Where wear, impact and abrasion resistance are required.

Product Features

- Provides a high strength wearing surface compared to concrete.
- Non - dusting in service.
- Available in various colours.
- Economical and easy to apply.
- Increases impact resistance to concrete surface.

Limitations

NOT recommended for use on slabs subjected to continuous wetting and acid spillage.

Standards

POLY FLOOR METAL is tested to the appropriate sections of the following standards:-BS-1881 & ASTM C-109.

Properties

Colour

Brick red & Gray.

Other colours could be specially ordered.

Abrasion Resistance

POLY FLOOR METAL improves the abrasion resistance of concrete by 260 %.

Compressive Strength

75 N/mm² after 28 days.3-6 hours

Guide for Application

Preparation

Base concrete should have a minimum cement content of 350 Kg/m³. Concrete mix should be designed to minimize segregation and bleeding.

Base concrete should be compacted in accordance with good concrete practice.

Application

The rate of **POLY FLOOR METAL** should be determined. It mainly depends on the rate of expected traffic; (light - medium - heavy).

Start applying **POLY FLOOR METAL** when foot step leaves an imprint of 3 mm. on the concrete.

Apply the first application of **POLY FLOOR METAL** by spreading 2/3 of the specified quantity on the concrete surface.

Float the concrete surface with a wooden float or a mechanical power float.

Spread the remaining of **POLY FLOOR METAL** over the concrete surface, then float again as before after the absence of sheen water (after one hour @25°C)

Note: **POLY FLOOR METAL** is supplied ready to use on site, never add cement or aggregates to the product.

Curing

We recommend the use of **POLY CURE WB I** to cure concrete surfaces immediately after trawling. (See separate data sheet)

Cleaning

Tools should be cleaned immediately with water after use.

Packaging

POLY FLOOR METAL is supplied in 25 kg. bags.

Coverage

3 Kg/m² for light traffic.
5 Kg /m² for medium traffic.
7 Kg/m² for heavy traffic

STORAGE

POLY FLOOR METAL should be stored in shaded areas away from any surface of moisture.

Shelf Live

One year when stored correctly in unopened containers.

Health and safety

- **POLY FLOOR METAL** is non flammable.
- Any splashes on skin should be washed with water.
- Seek medical assistance in case of contact with eyes, after washing it with running water.

Guarantee / Warranty

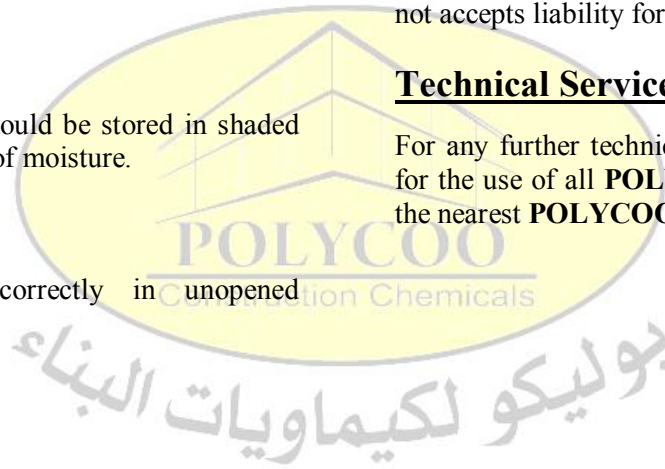
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Technical Services

For any further technical advice and recommendation for the use of all **POLYCOO** products, please consult the nearest **POLYCOO** technical office.



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