

## EAMIFLOOR HARD

### Dry Shake Monolithic Mineral Floor Hardener

#### Product Description

EAMIFLOOR HARD is a dry shaking non metallic floor hardener. It is designed of special hard wear well shaped aggregates, together with a unique polymer modified cementitious blend.

EAMIFLOOR HARD bonds monolithically with the concrete substrate eliminating cracking, shrinkage, curling & other problems associated with thin floor layers.

#### Typical Applications

Industrial areas subjected to heavy traffic.

- Where colorful abrasion resistant floors are specified.
- Lobbies of commercial buildings.
- Restaurants, shops & show rooms.
- Factories, machine shops.
- Warehouse floors.
- Garages, car maintenance.
- Parking areas.

#### Product Features

- Non rust characteristics in wet outdoors situations.
- Economical & easy to apply.
- Available in various colors.
- Durable & high wear resistance compared to concrete.
- Ready to use, factory blended.
- Incorporate with low slump concrete resulting in exceptional high surface strength & wear resistance.

#### Standards

EAMIFLOOR HARD is tested to the appropriate sections of the following standards: ASTM C 109 & BS 1881.

#### Guide for Application

##### Surface Preparation

Base concrete should have a minimum cement content of 350 Kg/m<sup>3</sup> and should be compacted in accordance with good concrete practice.

The concrete mix should be designed to minimize segregation and bleeding.

##### Application

The rate of EAMIFLOOR HARD should be determined by the rate of expected traffic (light - medium - heavy). Start applying EAMIFLOOR HARD. After the disappearance of sheen water (after 40-60 minutes @25°C)

When base concrete becomes stiff; foot step leaves an imprint of 3 mm. Apply the first quantity of EAMIFLOOR HARD 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 EAMIFLOOR HARD over the concrete surface, and then float again as before.

**Note:** EAMIFLOOR HARD is supplied ready to use on site, never add cement or aggregates to the product.

**Joints:** The joints of newly installed EAMIFLOOR HARD could be filled with a matching color available by using EAMIC TRMCO THC-901 high performance joint sealant.

### Technical Properties

|                             |                                                                            |
|-----------------------------|----------------------------------------------------------------------------|
| <b>Color</b>                | Brick red & Grey. (Other colors could be specially ordered)                |
| <b>Abrasion Resistance</b>  | EAMIFLOOR HARD improves the abrasion resistance of concrete by 240 %.      |
| <b>Compressive Strength</b> | 50 N/mm <sup>2</sup> after 28 days.                                        |
| <b>Yield</b>                | EAMIFLOOR HARD will yield as a surface strengthening from 2 - 4 mm. thick. |
| <b>Specific Gravity</b>     | 2000 kg. /m <sup>3</sup> approx.                                           |

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## Curing

We recommend the use of EAMICURE AR for curing. See separate Data Sheet.

## Cleaning

Spillage can be removed with Water.

## Packaging

EAMIFLOOR HARD is supplied in 25 kg. bags.

## Coverage

3 Kg/m<sup>2</sup> for light traffic.

5 Kg/m<sup>2</sup> for medium traffic.

7 Kg/m<sup>2</sup> for heavy traffic.

## Storage

EAMIFLOOR HARD should be stored in shaded dry areas away from direct sunlight.

## Shelf Life

One year when stored in its original sealed package.

## Health and Safety

- EAMIFLOOR HARD 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.

## Warranty

We warrant our products to be of good quality & manufactured to rigid standards. This Warranty is in lieu of any & all other warranties expressed or implied.

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# **EAMIC TRETOL**

**Leaders in Construction Chemical Technology**

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