

## EAMIFLOOR HARD ROCK

### Color Light Reflective Mineral Floor Hardener

#### Product Description

EAMIFLOOR HARD ROCK is a monolithic dry shake on non metallic floor hardener. It is formulated of crushed and graded shaped igneous aggregate mixed with a unique polymer modified cementitious blend.

EAMIFLOOR HARD ROCK is recommended for use wherever a hard, long wearing, heavy duty, non-slip floor is required.

Its wear resistant qualities often exceed stone, gravel and various other selected materials often used in the concrete of heavy duty floors.

EAMIFLOOR HARD ROCK has been designed to achieve increased reflectivity to improve lightening level in combination of decorative color base.

#### Typical Applications

EAMIFLOOR HARD ROCK is used as a dry shake surface hardener for the concrete surface subjected to heavy traffic such as:

- Loading bays.
- Trucking lanes.
- Garages.
- Repair workshops.
- Factories and industrial areas.
- Storage areas.
- Ramps.
- Aircraft hangers.
- Power stations.
- Where a wear and abrasion resistance is required.

#### Product Features

- Easy to apply monolithically to the fresh and wet concrete.
- Provides an extremely strong hardwearing, abrasion and impact resistance surface.
- Ready to use, factory blended, to eliminate application errors.

- No surface rusting is expected.
- Highly impermeable compared with the concrete under the same conditions.
- Excellent nonslip properties.
- Non dusting.
- Long life performance.
- Resists mineral oil, grease, motor oil and mild concentration of both acids and alkalis.

#### Guide for Application

##### Concrete Base

The concrete base mix should be designed to reduce bleeding and segregation as following:

<b>Portland cement content</b>	320 kg/m <sup>3</sup> minimum
<b>Water/cement ratio</b>	0.55 maximum
<b>Slump</b>	75 – 100 mm.
<b>Air Content</b>	3% maximum
<b>Thickness of screed</b>	75 mm. minimum

**Note:** The concrete should be well compacted.

##### Application

The rate for use of EAMIFLOOR HARD ROCK should be pre-determined by the rate of expected traffic (Medium to heavy).

Apply EAMIFLOOR HARD ROCK when base concrete becomes stiff foot step leaves an imprint of 3mm.

Apply the first application of EAMIFLOOR HARD ROCK 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 EAMIFLOOR HARD ROCK over the concrete surface, then float again as before.

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

### Technical Properties

<b>Color</b>	Natural concrete color, brown, brick red, black, light grey, dark grey and tana cotton.
<b>Compressive Strength</b>	55 N/mm <sup>2</sup> after 28 days.
<b>Hardness (Aggregates)</b>	Rated as 6 on Moh's scale.
<b>Abrasion Resistance</b>	Improves the abrasion resistance of concrete up to 400 % when tested according to ASTM C779- 89 procedure B.
<b>Chemical Resistance</b>	EAMIFLOOR HARD ROCK will resist hydrocarbons, mineral oil, grease, motor

# EAMIFLOOR HARD ROCK

---

## Curing

We recommend the use of EAMICURE AC for curing (Review separate Data Sheet).

## 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.

## Packaging

EAMIFLOOR HARD ROCK is supplied in 25 Kg. bags.

## Storage

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

## Shelf Life

One year when stored in its original sealed package.

## Cleaning

Spillage can be removed with water right after finishing.

## Health and Safety

- EAMIFLOOR HARD ROCK is non flammable.
- Any splashes on skin should be washed with water.
- Seek medical assistance in case of contact with eyes after 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 . This data sheet is published for information only . It is believed to be correct but no liability is accepted for it or the suitability of the product for any particular purpose. EAMIC TRETOL services are free & the company does not accept liability for any loss arising from it . Max liability is limited to substituting the same quality of material.

# **EAMIC TRETOL**

**Leaders in Construction Chemical Technology**

**Edition 01.2019**