

## TRI- METAL TOP

**Impact And Abrasion Resistant, Metallic base, Monolithic Floor Hardener**

### Description

**Tri-Metal Top** is a dry shake - on metallic floor hardener, designed of clean and graded galvanized steel aggregates together with a modified cementitious blend.

**Tri-Metal Top** when applied at the recommended application rate, provides a hard wearing, abrasion resistance surface.



### Uses

- All industrial areas subjected to heavy traffic.
- Warehouses where high abrasion and impact loads are expected.
- Passenger & freight terminals.
- Iron armored joints.
- Distribution centers.
- Where wear, impact and abrasion resistance are required.

### Advantages

- Supplied ready to use - no additive required.
- Provides a hard abrasion resistant surface.
- Forms monolithic bond with fresh concrete.
- Hard, dense surface resistant to oil and grease.
- Available in range of colors to improve working environment.
- Economical and easy to apply.
- Increases impact resistance to concrete surface.

### Technical Data @°25c

DESCRIPTION	VALUE
Appearance	Concrete color (Grey)- Brick Red - Green.
Base	Cement, additives and metallic aggregates
Abrasion resistance ASTM D4060	107 mg loss in weight
Abrasion resistance For concrete surface	Approx. 250 %
Rate of use	3 Kg/m <sup>2</sup> for light traffic 5 Kg/m <sup>2</sup> for medium traffic to heavy traffic.

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#### Factory & Head Office:

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### Derictions for use

**Tri-Metal Top** should be applied at even application rate of 3 - 5 Kg/ m<sup>2</sup>. It is recommended that the floor be marked off into bays of known area. Sufficient materials should then be laid out to meet the recommended speed rate.

Application of **Tri-Metal Top** should begin without delay when the base concrete has stiffened to the point light foot traffic leaves an imprint.

Any bleed water should now have evaporated, but the concrete should have a wet sheen. In large floors it will be necessary to work progressively behind the laying team to ensure application at the correct time the overall quality of the floor.

**Tri-Metal Top** is applied in two stages:-

**(1)** The first application is broad cast at an even rate of 3 Kg/ m<sup>2</sup> onto the concrete surface. When the material becomes uniformly dark by the absorption of moisture from the base concrete, this first application can be floated .Wooden floats, or on large areas, a power may be used .It is important however, that the surface is not overworked.

**(2)** Immediately after floating, the remaining 2 Kg/ m<sup>2</sup> of **Tri-Metal Top**

Are applied evenly over the surface at right angles to the first. Again, when Moisture has been absorbed the surface can be floated in the same way as

Before. Final finishing of the floor using the plates of the power float can be carried

Out when the floor has stiffened sufficiently so that damage will not be caused.

Any addition of water to wet out the surface on either the first or second

Application of **Tri-Metal Top** will be detrimental to the overall quality of the floor

Proper curing of concrete floors treated with **Tri-Metal Top** is essential to the physical properties of the finished floor.

The most effective method of curing is to use **Tri-Cure** which should be applied on the finished floor 10 minutes after the power floating operation has been completed



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### **Cleaning**

All tools should be cleaned with water immediately after use. Hardened material can be removed mechanically.

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### **Package**

25 Kg bag

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### **Shelf Life**

The shelf life of the product is 24 months in unopened condition if stored as Per the recommendations.

Exposure to high temperature and humidity will result in considerable Deterioration of the product and reduce its shelf life.

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### **Storage**

Should be store in original closed container; avoid the direct Sun light, mousers. The storage temperatures (10 – 40) C°

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### **Health and Safety**

**Tri-Metal Top** contains cement powders, which when mixed or become damp, release alkalis which can be harmful to the skin.

During use avoid inhalation of dust and contact with skin and eyes. Wear suitable protective clothing, gloves, eye protection and respiratory protective equipment. In case of contact with skin, rinse with plenty of clean water. Then clean with soap and water.

In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice.

If swallowed, seek medical attention immediately.

DO NOT INDUCE VOMITING.



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