

## TRI- CO-RUNDUM

**Highly abrasion resistance surface hardening compound for fresh concrete**

### Description

**Tri Co-Rundum** surface hardening compound is a quality controlled, factory blended powder which is ready to use on site. It consists of hard wearing aggregates selected for their physical properties of abrasion and wear resistance, portland cement and special additives to improve workability.

This combination produces a material which is easy to trowel on the surface of fresh, wet concrete.

**Tri Co-Rundum** cures monolithically to provide a dense non porous surface which is extremely hard wearing and abrasion resistant.



### Design criteria

#### Base concrete

The base concrete should have a minimum cement content of 250-300 Kg/m<sup>3</sup>.

The concrete mix should be designed to minimize segregation and control Bleeding, although some limited bleed is desirable to ensure sufficient moisture is available to wet out the **Tri Co-Rundum** when it is first applied.

The use of water reducing admixtures from **TRI- mix** range is strongly Recommended in order to achieve water /cement ratio below 0.55.

### Uses

**Tri Co-Rundum** provides a highly abrasion resistance surface to fresh concrete floors by the dry shake method which ensure that hard wearing surface bonds monolithically to the base concrete. It is ideally suited for all industrial areas subjected to heavy traffic, e.g. power stations, agricultural buildings, distillation plants, laboratories, warehouse floors, work shops and all production areas.

### 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.
- Non metallic aggregates – will not rust when wet.

#### Factory & Head Office:

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### Technical Data @°25c

DESCRIPTION	VALUE
Appearance	Concrete color (Grey)- Brick Red - Green.
Base	Cement , additives and special aggregates
Abrasion resistance ASTM D4060	93.1 mg loss in weight
Abrasion resistance For concrete surface	Approx. 300 %
Compressive strength after 28 day ASTM C579	42.48 n/mm <sup>2</sup>
Rate of use	3 Kg/m <sup>2</sup> for light traffic 5 Kg/m <sup>2</sup> for medium traffic to heavy traffic.

### Derictions for use

**Tri Co-Rundum** 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 spread rate. Application of **Tri Co-Rundum** 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.

**Tri Co-Rundum** is broad cast at an even rate of 3-5 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 application can be floated, Wooden Floats, or on large areas, a power may be used.

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 will be detrimental to the overall Quality of the floor.

Proper curing of concrete floors treated with **Tri Co-Rundum** 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-Co-Rundum** 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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