

Tri – COLOR HARDENER

Dry Shake concrete floor surface color hardener

Description

Tri- Color Hardener is high quality, ready mixed, concrete floor surface color hardener in powder form.

Tri- Color Hardener is specially formulated for application by the dry shake technique over the freshly poured concrete floor to produce hard wearing and abrasion resistant surface. **Tri- Color Hardener** is ideal floor hardener for stamped concrete applications. It can also be trowelled into the freshly placed concrete floor surface to produce smooth finish. is ideal for use where high traffic is present in private and public areas. and available in a wide range of bright and intense shades of colors.

The product is certified by National Research Center

Uses

Tri- Color Hardener is used as concrete floor hardener in the following applications:

- Stamped concrete floors.
- Garages and parking areas.
- Warehouses.
- Walkways and clubs
- villages and around swimming pool.

Advantages

- Easy to use and apply.
- Only requires the spreading by hand on fresh concrete.
- Raw materials are selected according to the highest quality control standards.
- Improve abrasion resistant.
- Improve compressive strength.
- Available in wide range of uniform colors.



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Technical Data @°25c

DISCRETIONS	VALUE
Base	Portland cement, graded clean silica sand, and selected additives.
Color	Available in wide range of standard colors.
Dry Density	1.8 kg/litre
Compressive strength	> 45 N/mm ²
Rate of use	4 – 6 Kg / m ² dependence the color
Abrasion resistance ASTMD4060	279.1 mg loss in weight
UV resistance	< 1 E

Directions for use

Concrete Floor

The base concrete should be poured and compacted in accordance with good concrete practice. The concrete floor should contain 300 kg/m³ minimum cement content . The compressive strength after 28 days should be 25 N/mm² minimum and the concrete floor thickness should be 10 cm minimum.

Pour the concrete floor slab to the finish level ensuring that there is no bleeding or segregation. Level the concrete floor using straight edge bar and compact it well with vibrator. Smooth the surface with wooden trowel.

The application of Tri- Color Hardener should be started after excess moisture has disappeared from the surface and while the concrete is still plastic.

The application of Tri- Color Hardener too early will lead to poor results.

Apply $\frac{2}{3}$ of the required quantity of Tri- Color Hardener to the concrete floor ensuring uniform distribution.

Leave the Tri- Color Hardener to absorb moisture from the concrete floor, then finish it using wooden trowel into the concrete floor surface.

Apply $\frac{1}{3}$ the required quantity of Tri- Color Hardener to the concrete floor and finish it with wooden trowel into the concrete floor surface.

When the concrete floor surface has gained strength to walk on with leaving minor indentations, finish the surface with power float or steel trowel.

Do not sprinkle water while power floating.

If stamped concrete application is required, spread Tri- Release on the polished surface, then commence stamping applications using suitable moulds. Apply two coat of Tri- Sealer to give the concrete floor semi glossy appearance.

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Cleaning

Clean all tools and equipment immediately after use with Water.

Package

25 kg bag

Shelf Life

2 years in original packing.

Storage

Should be stored at room temperature in dry warehouse.

Health and Safety

Tri- Color Hardener 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



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