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## Tiba floor 404

**Cement based, high quality, polymer modified, floor surface hardener.**

### Description

**Tiba floor 404** is high quality, ready mixed, concrete floor surface hardener in powder form.

**Tiba floor 404** is specially formulated for application by the dry shake technique over the freshly poured concrete floor to produce hard wearing and abrasion resistant surface.

**Tiba floor 404** is ideal for use where high traffic is present in private and public areas.

### Composition

**Tiba floor 404** is manufactured from carefully selected raw materials which include a blend of special high strength hydraulic binders, selected well graded fillers and special additives to enhance the mechanical properties of the concrete floors .

### standards

**Tiba floor 404** is formulated to comply with **ASTM C-926** standard

### Uses

**Tiba floor 404** is used as concrete floor hardener in the following applications :

- Garages and parking areas.
- Where houses .
- Factories and mechanical workshops where clean, dust free floors are required
- Walkways.

## Characteristics

- Easy to use and apply . Only requires the sprinkle by hand on wit , fresh concrete
- Raw materials are selected according to the highest quality control standards
- Exact mixing rations symmetric blend , due to perfect mixing .
- Improve friction resistant.
- Improve compressive strength.

## Technical data

Base	Portland cement, graded clean silica sand, basalt stone and selected additives.
Color	<b>Gray</b>
Dry density	<b>1.7 kg/litre</b>
compressive strength	<b>&gt; 45 N/mm<sup>2</sup></b>

### Packaging

**Tiba floor 404** is available in 50 kg bags.

### Coverage

Light traffic 3-4 kg/m<sup>2</sup>

Medium traffic 4-5 kg/m<sup>2</sup>

Heavy traffic 5-6 kg/m<sup>2</sup>

### Application procedures

The base concrete should be poured and compacted in accordance with good concrete practice. The concrete floor should contain 300 kg/ m<sup>3</sup> minimum cement content and should have w:c ratio of 0.55 maximum. The compressive strength after 28 days should be 30 N/mm<sup>2</sup> 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 separation.
- Level the concrete floor using straight edge bar and compact it well with vibrator.
- Smooth the surface with wooden trowel.
- of **Tiba floor 404** should be stated after excess moisture has disappeared from the surface and while the concrete is still plastic. The application of **Tiba floor 404** too early will lead to poor results.
- Apply **Tiba floor 404** along the edges of each concrete floor panel at the rate of 1 kg/lm and float it using wooden trowel.
- Apply two third of the required quantity of **Tiba floor 404** to the concrete floor ensuring uniform distribution.
- Leave the **Tiba floor 404** to absorb moisture **Tiba floor 404** 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.
- Protect the concrete floor surface from air drafts to prevent surface drying, and cure with water for three days.
- Saw cut the concrete floors as soon as possible.

## Storage

Shelf life is at least 12 months from the manufacturing date when stored in a dry covered storage area.

## Health and Safety

While using the product, gloves and goggles should be worn. Splashes to skin or eyes should be washed with clean water, in case of prolonged irritation, seek medical advice

Our recommendations are based on extensive research as well as practical experience. Results cannot be guaranteed where the actual application work is beyond our control. Customers must carry out their own investigations and test the suitability of our materials for their intended purposes. Kindly note that this data sheet supersedes any previous prints. For any additional information, please consult our technical marketing department.