

Tibmix

Pre-blended metallic dry shake floor topping



Description

Tibmix is a non-oxidizing, chemically inert, metallic dry shake floor topping for monolithic floors. The product contains a blend of specially graded aggregates, additives and Ordinary Cements.

When trowelled into freshly laid concrete, Tibmix produces a dense, tough, abrasion resistant surface suitable for most industrial floors. The product is designed for application either by hand or using automatic spreading equipment.

Applications

- ▲ Heavy industries.
- ▲ Power stations.
- ▲ Parking areas.
- ▲ Warehouses.
- ▲ Workshops.
- ▲ Loading bays.
- ▲ Service stations.
- ▲ Aircraft hangars.

Advantages

- ▲ Dense surface resistant to oil and grease.
- ▲ High resistance to wear and abrasion.
- ▲ Easy to apply.
- ▲ Non oxidising floor hardener.
- ▲ Premixed, ready to use.
- ▲ Reduces surface dust.

Base Concrete Limitations

The following concrete limitations and properties should be considered to obtain hard concrete surface with high abrasion resistance:

- ▲ The compressive strength is recommended to be higher than 25 MPa.
- ▲ W/C ratio should be at a minimum required value to achieve fully compacted concrete.
- ▲ Concrete slump should be kept between 75 mm and 120 mm.
- ▲ Cement content should be no less than 300 kg/m³.
- ▲ Proper concrete compaction and leveling is a must.
- ▲ Should free water be present at the surface this should be allowed to evaporate or brushed away before the application of Tibmix.

Technical Properties:

| | |
|---|--|
| Abrasion resistance: | 300 - 500% compared to a conventional concrete |
| Compressive strength: (wet cure) mortar consistency | > 72 MPa @ 7 days > 82 MPa @ 28 days |
| ASTM C109/109M-02 | |
| Bohme reading: | < 5 g/cm ² |
| Hardness: | 7 (Mohs scale) |
| Colour : | Grey, buff, green & brick red |

Method of Use

- ▲ The right time to spread the Tibmix on concrete surface is when light foot traffic leaves an imprint of about 3 - 6 mm.
- ▲ Broadcast the Tibmix evenly over the surface of the base concrete. Where manual trowelling is involved, application in two stages is recommended.
- ▲ The first stage should be to apply two thirds of the coverage rate of Tibmix, and allow the material to absorb moisture from concrete. When a uniform dark colour appears, indicating that the material is wet, Tibmix should be trowelled in, either by hand or using a power float (pan fitted with blades). Stage two is to apply the remainder of the coverage rate and to repeat trowelling. For large floor constructions Tibmix can be spread and trowelled satisfactorily in one stage by mechanical means.
- ▲ Care must be taken not to wet the application of Tibmix with water addition not to affect the overall quality of the floor.
- ▲ Proper curing should be maintained and the surface is not to be marred by the curing method.

Timing of Application

Timing of Tibmix application is critical. Adequate machinery, labor and material should be available to complete the whole area while sufficient concrete moisture is available.

Applying Tibmix before or after the proper application time can seriously affect the quality of the concrete floor finish.

Tibmix

Application Rate

Tibmix should be applied at the following rates:

Medium duty floors 4 - 5 kg per m².

Heavy duty floors 6 - 7 kg per m².

Cleaning

All tools should be cleaned immediately after finishing by water.

Packaging

Tibmix is available in 25 kg bags.

Storage

Tibmix has a shelf life of 12 months from date of manufacture if stored at dry conditions and temperatures between 2°C and 50°C.

If these conditions are exceeded, DCP Technical Department should be contacted for advise.

Cautions

Health and safety

As Tibmix contains Portland cement, Tibmix may cause irritation to skin or eyes.

In case of accidental contact with skin or eyes, immediately flush with plenty of water and seek medical advise if necessary.

For further information refer to the Material Safety Data Sheet.

Fire

Tibmix is nonflammable.

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A wide range of construction chemical products are manufactured by Don Construction Products which include:


- ▲ Concrete admixtures.
- ▲ Surface treatments
- ▲ Grouts and anchors.
- ▲ Concrete repair.
- ▲ Flooring systems.
- ▲ Protective coatings.
- ▲ Sealants.
- ▲ Waterproofing.
- ▲ Adhesives.
- ▲ Tile adhesives and grouts.
- ▲ Building products.
- ▲ Structural strengthening.

Note:

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