

Techno Floor Powder

Surface hardening colored compound for stamped concrete floors

Uses

Techno Floor Powder provides a decorative colored surface for stamped fresh concrete floors by the dry shake method which ensures that the hard wearing surface bonds monolithically to the base concrete. It is ideally suited for all landscape areas such as:

- Agricultural building
- Hotels
- Car parks
- Areas around swimming pools
- Gardens

Advantages

- Provides colored decorative floors.
- Supplied ready to use - no additives required
- Provides a hard, abrasion resistant surface
- Forms monolithic bond with fresh concrete base
- Hard, dense surface resistant to oils and grease
- Non-metallic aggregate - will not rust when wet

Description

Techno Floor powder surface hardening decorative colored compound is a quality controlled, factory blended powder which is ready to use on site, and it consists of special hard wearing emery aggregates selected for their physical properties of abrasion and wear resistance. This combination produces a material which is easy to trowel in the surface of fresh, wet concrete.

Design criteria

Base concrete

The base concrete should have a minimum cement content of 300 kg/m³. 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 Techno Floor Powder when it is first applied. The use of water reducing admixtures from the M.T.C. Techno mix range is strongly recommended in order to achieve

Modern Technologies for Construction Chemicals

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water: cement ratio below 0.55. The base concrete should have an on-site slump of between 75 and 100 mm.

Instructions for use

Techno Floor Hard Top should be applied at an even application rate of 5 kg/m². 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.

Curing

Proper curing of concrete floors treated with Techno Floor Powder is essential to the physical properties of the finished floor, however if the floor is to receive further surface treatments please consult M.T.C. office for advise on recommended curing methods.

Limitations

- Do not use Techno Floor Powder in areas exposed to acids and their salts or other materials known to rapidly attack or deteriorate concrete containing Ordinary Portland Cement.
- Do not apply to concrete containing calcium chloride or concrete having greater than 3% air entrapment.

Estimating

Supply	
Techno Floor Powder:	25 Kg bags

Coverage	
Techno Floor Powder:	4:6 m ² /bag

Applications should comply with the recommended rate to obtain the published performance characteristics. Any reduction may have a detrimental effect on the finished floor's abrasion resistance and.

Storage

If protected from the environment in original undamaged packing, the shelf life of Techno Floor Powder is 12 months.

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If stored in high temperature and high humidity locations the shelf life will be reduced.

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