

TOPFLOOR 100

Cementitious Non-Metallic Floor Hardener for Concrete Surfaces

Description

TOPFLOOR 100 is a ready-to-use, dry-shake, non-metallic floor hardener formulated for fresh concrete floors requiring improved abrasion resistance, surface durability and dust reduction.

It is manufactured from selected hard-wearing silica quartz aggregates, Portland cement, plasticizers and performance additives to produce a dense, tough and monolithic concrete surface suitable for industrial and commercial flooring.

Recommended Uses

- TOPFLOOR 100 is suitable for:
 - ✓ Factory floors
 - ✓ Warehouses
 - ✓ Car parks
 - ✓ Industrial floors
 - ✓ Storage rooms.
 - ✓ Loading bays
 - ✓ Mechanical workshops
 - ✓ Commercial buildings
 - ✓ General hard-wearing concrete floors

Key Advantages

- High abrasion resistance
- Improves surface hardness and durability
- Good impact resistance
- Reduces dusting from concrete surfaces
- Reduces oil and grease penetration
- Easy dry-shake application
- Provides monolithic finish with concrete slab
- Suitable for medium-to-heavy-duty flooring areas
- Available in natural and selected colours

Technical Information

| Property | Result |
|----------------------|---|
| Compressive Strength | Approx. 60 N/mm ² |
| Abrasion Resistance | Up to 2 times greater than untreated concrete |
| Mohs Hardness | 7, quartz-based |
| Supply Form | Powder |
| Colour | Natural, Red, Green, Light Grey |
| Packaging | 25 kg bag |
| Shelf Life | 12 months, unopened |

Coverage

| | |
|----------------|-----------------------|
| Light traffic | : 3 kg/m ² |
| Medium traffic | : 4 kg/m ² |
| Heavy traffic | : 6 kg/m ² |

Application Method

Concrete should be placed and levelled using good concreting practice. Recommended concrete slump is 75 mm to 125 mm.

Apply TOPFLOOR 100 onto freshly placed concrete after initial floating. Broadcast evenly in two stages:

| | |
|-------------------|--|
| First broadcast: | approximately two-thirds of total dosage |
| Second broadcast: | remaining one-third |

Allow the material to absorb surface moisture before floating. Finish the surface using hand float or power float to achieve the required surface profile. Areas near columns, walls, edges and joints should be treated first to avoid premature drying.

Curing

Apply TOPKRETE curing compound immediately after final finishing once the surface can accept curing treatment.

Protect the completed floor from rapid drying, rain, contamination and early traffic. For best performance, protect the treated surface for 28 days during curing.

Storage

- 12 months in original sealed packaging
- Store in dry, cool conditions

Health & Safety

- Store in a dry, covered area, away from moisture and direct sunlight

Health & Safety

- Clean tools and equipment with clean water immediately after use

Technical Support

Topkrete offers a technical support package to specify end-users and contractors, as well as on-site technical assistance.

Additional Information

Topkrete manufacturers and offers a wide range of complementary products which includes water stop, waterproofing, products, grouts, anchors, specialized flooring products. In addition, a wide range of products formulated for repair and refurbishment of spelled concrete are available.

Warranty

Topkrete Sdn Bhd warrants that the products manufactured by it shall be free from material defects and will conform to formulation standards and contain all components in their proper proportion. Should any of the products be proven defective, the liability to TOPKRETE SDN BHD shall be limited to replacement of the material proven to be defective, and TOPKRETE SDN BHD shall in no case be liable otherwise or for incidental or consequential damages. **TOPKRETE SDN BHD MAKES NO WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED.** User shall determine the suitability of the product for its intended use and assume all risks and liability in connection therewith.

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