Shieldfix Masonry

Pre-mixed, Cement-based Masonry Mortar

TECHNICAL DATA SHEET

Description

Shieldfix Masonry is a single-component, cement-based mortar for masonry and concrete blocks. It is supplied as a ready-to-use blend of dry powders that requires the addition of clean water on site. **Shieldfix Masonry** can be applied at thicknesses from 5 mm to 50 mm.

Uses

- As a bedding mortar for concrete blocks/ masonry units.
- As jointing and pointing material for cement block walls and partitions, bricks, natural stone, etc.
- As a masonry mortar for construction elements.

Characteristics / Advantages

- Factory-controlled, pre-blended dry mix that requires the addition of clean water on site.
- Easy to apply.
- Excellent adhesion strength for cement-based blocks.
- Suitable for internal and external applications.

Safety Instructions

Shieldfix Masonry may cause irritation to the skin or eyes. Avoid prolonged exposure to dust and wear a mask during application. Avoid direct contact with skin or eyes when possible and wash immediately with water and soap. Get medical advice or treatment if any emergency warning signs appear. Refer to the most recent Material Safety Data Sheet for information and advice on the safe handling, storage, and disposal of the product.

Shelf Life and Storage

Shieldfix Masonry has a shelf life of 12 months when stored in its original unopened packing in cool and dry conditions, protected from direct sunlight, heat and moisture. Shelf life may be reduced if the recommended storage conditions are not followed.

Typical Properties

Color / Appearance	Grey powder
Maximum Aggregate Size	0.6 mm
Fresh Wet Density @ 25℃	1.80 ± 0.10 g/ml
Working Time @ 25℃	45 – 60 minutes
Compressive Strength (EN 1015-11) 28 days	≥ 15 MPa
Flexural Strength (ASTM C348) 28 days	≥ 4 MPa
Application Temperature	+5 to +40℃

Packaging

Shieldfix Masonry is supplied in 25 kg paper bags.

Application Instructions

1. Surface Preparation

The substrate must be free from dust, loose materials, surface contamination, or any materials that may reduce bond or prevent adhesion. Thoroughly dampen the surface of concrete blocks with clean water to provide a Saturated Surface Dry condition (SSD).

2. Mixing

Pour 4.0 – 5.0 liters of clean water into a suitable container. Add the entire content of **Shieldfix Masonry** (25 kg) to the water gradually and mix using a low-speed mixing drill fitted with a suitable mixing paddle. Continue mixing for 2 – 3 minutes until achieving a homogenous mix. Let the material stand for 2 – 3 minutes prior to application.

3. Application

Apply the mixed material of **Shieldfix Masonry** to the prepared surface manually using a spatula or hand trowel at 5 – 50 mm thickness. Mortar must be well pressed to ensure a proper adhesion to substrate.

4. Cleaning

All mixing and application equipment should be cleaned immediately with clean water. Hardened material should be mechanically removed.

Technical Support

Refer to technical information, method statement, or contact technical support team for any inquiry.

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