Shieldfill SPM

Cement-based Stone Pointing Mortar

TECHNICAL DATA SHEET

Description

Shieldfill SPM is a high-quality, cement-based pointing mortar for bricks and natural stone that provides a smooth finish with excellent color stability, abrasion, mould, and water resistance, suitable for vertical and horizontal installations. **Shieldfill SPM** is ideal for indoor or outdoor applications as well as for deformable substrates for joints of 1 – 20 mm and available in 30 standard colors.

Uses

- For external and internal applications.
- Wet areas such as toilets and kitchens.
- Repairs to concrete and stone steps as well as bedding and pointing of flagstones.
- Internal filling holes around pipework.
- Pointing, patching, and repair of masonry.

Characteristics / Advantages

- Factory-controlled, pre-blended dry mix which only requires the addition of water.
- Single-component, non-sag mortar.
- Excellent adhesion strength.
- Excellent weathering resistance with color stability.
- Long-term durability.
- Anti-mould.
- Available in a wide range of colors.

Safety Instructions

Shieldfill SPM contains hydraulic cement and may cause irritation to the skin or eyes. 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

Shieldfill SPM has a shelf life of 12 months when stored in its original unopened packaging 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

Appearance / Color	Powder with a wide range of colors
Mixed Density (23 °C)	1.80 g/ml
Maximum Aggregate Size	600 microns
Pot Life (23 °C)	70 – 90 minutes
Compressive Strength (EN 1015-11) @ 28 days	≥ 15 MPa
Flexural Strength (EN 1015-11) @ 28 days	≥ 2 MPa
Application Temperature	5 – 40 ° C

Packaging

Shieldfill SPM is supplied in 25 kg bags.

Application Instructions

1. Surface Preparation

The stone joints and edges must be sound and clean from dust, oils, dirt, curing compounds, etc. Do not start grouting unless the stone adhesive has sufficiently set.

For natural and industrial stones that are sensitive to color change, a reference sample should be made to ensure suitability.

2. Mixing

Pour 3.75 – 4.25 liters of clean water into a suitable container. Add 25 kg of **Shieldfill SPM** 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.

3. Application

Shieldfill SPM must be carefully pressed inside the joint to ensure complete contact. It is recommended to use masking tape on both sides of the joint, and it is preferable to start the application from bottom to top in order to make sure that gaps are filled thoroughly. A spatula can be used for tooling.

When **Shieldfill SPM** starts to initially set, try to clean and remove any excess material using a dampened sponge in a circular motion, then clean the stone surface with a dry cloth after full drying.

4. Cleaning

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

Consumption and Coverage

Consumption rate and yield vary according to joint size and stone dimensions.

Limitations

- Do not apply the product if the ambient temperature is less than 5°C.
- Hot weather practices should be adopted during application and curing if the temperature is above 35°C. In hot conditions, store the material in a cool environment prior to mixing and use chilled mixing water.

Technical Support

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

Address: Manaseer Group, 8th Circle, King Abdullah II St. 302
P.O. Box 925988 Amman, 11110, Jordan
Phone +962 6 5800600
Fax. +962 6 5833890
Email: info.shield@manaseer-ic.com
Website: www.manaseergroup.com

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