

Silic8 MF1 Interior Filler Adhesive

Silic8

SILICATE MINERAL PRIMERS AND ADHESIVES



Description:

Silic8 MF1 is a vapour open powdered mineral filler and light duty adhesive. Silic8 MF1 can be used for fine filling, skimming and adhesion, typically mineral substrates, historic plaster, stone, brick etc. Used in combination with our penetrating solutions, MF1 bonds with substrates while remaining vapour open. It can be used in combination with our other Silic8 products. MF1 can be sanded and gives an ultra-fine finish. Patent pending. MF1 is available in 1l or 5l UN certified containers.

Properties:

MF1 is water-based, has no odour and is **non-combustible** and **vapour permeable**. It is a natural mineral and water-glass filler adhesive and free from any other co-binders such as solvents, acrylic, gypsum and cement. Use to fill defects and cracks in situations or as a light duty adhesive to re-attach or repair plaster details, tiles or brick etc.

Preparation

- Substrates must be **clean and dry** and free from any loose material prior to application.
- Test a small area for suitability with your specific materials before use*.
- Do not use on contaminated surfaces, extreme environments or in any unusual circumstances. Do not store or use in extremes of temperature (<5C or above 30C).
- Protect surrounding surfaces, particularly glass.
- Add water at a ratio of approx. 33ml to 100g. For increased durability and adhesion, Silic8 PS1 can be used in place of water.
- Add water and mix well to make a stiff paste (see image), replace lid and leave to stand for 5 minutes.
- After 5 minutes, viscosity changes to a more fluid consistency. Mix well to a smooth paste and adjust consistency as required with additional water or filler powder.
- Once mixed, store in airtight containers and use within 6 hours. Do not store, or use in temperatures <5C or above 30C.

Application

- Can be applied with a trowel, spatula, pallet knife or tube applicator, vary according to application.
- Allow to cure for 2-24 hours depending on temperature and applied thickness.
- Fill deep areas in layers for best results, allow to completely dry between layers.
- Silic8 vapour open liquid primer penetrating solution (PS1 or PS2) is recommended prior to application, especially on problematic or highly adsorbent surfaces.



33ml water or PS1: 100g filler



Stiff paste, leave 5 min



Remix, smooth paste

Aftercare:

- Allow to dry completely before further application or decoration. Drying time is 6-36 hrs depending on temperature, substrate and type of application. Decoration with mineral silicate paint is recommended.
- Wash splashes, tools and brushes with water.
- Dispose of all surplus material in accordance with your local regulations (EWC 06 02 99).
- Cleaned tins are 100% reusable and recyclable.

Technical:

- pH value in liquid state: pH 11.1
- Odourless
- Dries white.
- Non-combustible
- Non-hazardous
- No VOC's
- Application rate varies according to use; spread rate 500g/m² of prepared filler at 1mm thick
- MF1 is an interior filler adhesive with some possibility of exterior applications. Please contact our technical team to discuss your application.
- Storage life: 36 months prior to mixing if kept well sealed (protect from frost, moisture and temperature extremes)
- Water vapour permeability Very high: 0.03 sd (m)

Further Information and Safety:

- **Risk phrases:**
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **Safety phrases:**
S1/2 Keep out of reach of children
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S24/25 Avoid contact with skin and eyes
S36 Wear suitable gloves and protective clothing
S61 Avoid release to the environment. Refer to special instructions and safety data sheets.
- **Relevant R-phrases**
R22 Harmful if swallowed
R36/37/38 Irritant for the eyes, respiratory ways and the skin
R43 May cause sensitisation by skin contact
R50/53 Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment

This information is given to the best of our knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. This document does not dispense the user from knowing and applying all rules and practices related to his activity and must not be considered exhaustive. It does not exonerate the user from other obligations to be respected, supplementary or prescribed, outside the content of this document for which he remains solely responsible.

* We do not take responsibility for compatibility with any of the suggested or unlisted substrates types. Substrates should be tested for suitability before use, for which we accept no liability. No liability taken for misuse or failures outside our control and no liability for consequential loss howsoever arising.