

## Silic8 PS1 Ready to use Penetrating Solution

# Silic8

SILICATE MINERAL PRIMERS AND ADHESIVES

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### **Description:**

**PS1** is a mineral based penetrating solution, designed to control many high suction backgrounds whilst still remaining vapour open. PS1 can also be used to consolidate problematic surfaces and substrates, or as a mild protection for mineral substrates. PS1 is independently tested for vapour diffusion to reassure you that water vapour is not trapped in the fabric of your building.

No VOC, no odour, water-based and certified as vapour permeable. Our Penetrating solution is potassium Silicate based and compatible with all our Silic8 range products. Use in combination with our adhesives, fillers and primers. PS1 is available in 5.5kg or 13kg UN certified containers.

**Some typical substrate types:** Masonry backgrounds, magnesium silicate boards, historic or new plasters (lime, cement or gypsum), stone, wood, and wood type boards, terracotta and some ceramic tiles and paints\*. An in-house testing facility for bond strength is offered if you have specific requirements\*\*

### **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.
- Store in airtight containers and used within 12 months.
- Do not store, or use in temperatures <5C or above 30C.

### **Application**

- Apply with a broad brush or suitable spray applicator.
- The surface to be treated must be **sound and dry**.
- Where the surface is powdery or friable, work the primer in to the affected areas with a brush
- Silic8 vapour open primers (MPL1 or MPL2) are recommended prior to any new plaster application on problematic or highly adsorbent surfaces.
- Allow to cure for 2-24 hours depending on use, temperature and applied thickness.
- Appropriate vapour open plasters or adhesives can be applied at any point after 24 hours.
- Ensure other products are compatible and appropriate to the task.

**Coverage:** Test a small area for your coverage rates. On an even surface 50grams of PS1 will cover approximately 1m<sup>2</sup> (5.5kg will cover up to 110m<sup>2</sup>). Allow more for uneven or highly absorbent surfaces.

### **Aftercare:**

- Allow to dry completely before further application, plaster coverings or decoration.
- 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.

If splashed on the skin wash off immediately with water. Wear the appropriate Personal Protective Equipment; Refer to the Safety Data Sheet before use

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## **Technical:**

- pH value in liquid state: pH 11.1
- Odourless
- Dries off-white
- Non-hazardous
- No VOC's
- Application rate varies according to use
- Storage life (unopened tins): 36 months if kept well sealed (protect from frost, moisture and temperature extremes)
- Non-combustible

## **Further Information and Safety:**

- Labelling according to EU guidelines:  
The product has been classified and marked in accordance with EU Directives/Ordinance on Hazardous Materials.
- Risk phrases:  
S2/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R22 Harmful if swallowed  
R43 May cause sensitisation by skin contact
- 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 protective clothing  
S61 Avoid release to the environment. Refer to special instructions and safety data sheets.

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.

\*\*A charge is made for this service and is only indicative of actual bond strength. Not all substrates are suitable for testing at our facility. Due to the variation of substrate types we recommend that a representative area of substrate to be primed is first tested to satisfy all your requirements