

Shieldprime PS100

Two Component Solvent-Based Epoxy Primer



MICSHIELD®

Description

Shieldprime PS100 is a two-component, solvent-based epoxy primer designed for joint priming to enhance adhesion prior to the application of polysulphide sealant (**Shieldseal PS300**) on both porous and non-porous substrates.

Uses

- Priming joints before applying sealants to improve adhesion.
- Sealing porous surfaces such as concrete, mortar, and stone.
- Improving adhesion on non-porous substrates like metal, aluminum and glass.

Characteristics / Advantages

- Improves adhesion on porous and non-porous substrates.
- Easy to apply.

Shelf Life and Storage

Shieldprime PS100 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.

Safety Instructions

Use in a well-ventilated area. Direct contact of uncured sealant may irritate eyes and skin. Overexposure to vapor may irritate eyes, nose, and throat. Do not handle contact lenses with sealant on hands. In case of eye contact, flush eyes with water for 15 minutes. Obtain medical attention. In case of skin contact, remove from skin and flush with water.

Typical Properties

Appearance / Color	Clear
Specific Gravity @ 23°C	1.02 ± 0.05
Drying Time (Touch dry) @ 23°C	30 minutes
Substrate Temperature	+5 to +40 °C

Packaging

Shieldprime PS100 is supplied in 1 Liter pails.

Application Instructions

1. Surface Preparation

The joints must be clean, dry, and free from dust, surface contamination, and materials that may reduce bond or prevent adhesion. To remove dust, use oil-free compressed air. Concrete surfaces must be clean and dry. Metal surfaces must be free from rust; use grit blasting to remove corrosion.

2. Mixing

Component B (hardener) should be added to component A (base pack) and mixed using a low-speed mixing drill for 3 minutes until a homogeneous and consistent material is obtained. Once mixed, the material should be used within its specific working time.

3. Application

Shieldprime PS100 must be applied on clean, dry substrates using a brush in a thin, even layer. **Shieldseal PS300** should be applied while the primer is still wet or tacky. For gun-grade, it should be applied when the primer becomes tacky, ideally within 15–20 minutes after priming. If this time is exceeded, another layer of the **Shieldprime PS100** should be reapplied.



4. Cleaning

All mixing equipment and application tools should be cleaned immediately with a suitable solvent. Hardened material should be mechanically removed.

Technical Support

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

Limitations

- Do not apply the product if the ambient temperature is less than 5°C.
- Shieldprime PS100** is flammable, ensure adequate ventilation and strict safety precautions.

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