

Shieldprime PS100

Two Component Polysulphide Sealant Primer



Description

Shieldprime PS100 is a two-component, solvent-based primer, designed to prime joints to promote adhesion before the application of the polysulphide sealant range (**Shieldseal PS300- PG and GG**).

Uses

- Closes and seals joints and substrates prior to the application of the polysulphide sealant.
- Used on concrete, asphalt, metal, and various substrates.
- Expansion and construction joints, tunnels, roads, retaining walls, water tanks, wet areas, bridges, reservoirs as well as potable water and wastewater treatment tanks.

Characteristics / Advantages

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

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.

Packaging

Shieldprime PS100 is supplied in 1-liter pails.

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	0.98
Drying Time (Touch dry)@ 23°C	30 – 150 minutes
Substrate Temperature	+5 to +40 °C

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. Prime surfaces and achieve a tack-free condition before the application of **Shieldseal PS300**.

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. Allow it to become touch dry before applying **Shieldseal PS300**. 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.

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.

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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