

SILCOR[®] Primer BS

Primer for Elastomeric Polyurethane Membranes

Product Description

A fast-drying, single-pack, modified polyurethane primer for use with all SILCOR[®] polyurethane-based membranes.

Uses

SILCOR Primer BS is used for all SILCOR polyurethane-based membranes.

It may be applied to most rigid substrates used in construction including: concrete masonry, off-form concrete, in-situ concrete slabs and topping, shotcrete and cement render, light-weight foamed concrete, pre-cast concrete panels, compressed fibre cement sheet, metal and brick.

Features

- Strong physical bond to substrate Fast-drying PU resin system
- Coating is water-resistant and protects the structure in the event of interruption by wet weather Promotes adhesion even in cold weather

Substrate Preparation

Substrates must be structurally sound, smooth, clean and dry. Remove all dust, laitance, loose matter, oil, curing compound, form release agents, or other contaminants.

Concrete should have a minimum strength grade of 25 MPa, and be moist-cured as required by AS 3600. Minimum age of concrete at time of waterproofing application should be 14 -28 days depending on concrete thickness and GCP primer being used.

Detailing

Detail according to NCC, and AS 4654.2 and AS 3740 requirements for external above ground and internal wet areas, respectively. Detailing should be completed before priming process starts.

Primer Application

SILCOR Primer BS is used for substrates with maximum moisture content of 5%. For moisture content less than 10%, use SILCOR Primer BW Clear/EPOCOTE[™] F100W Clear.

Apply one coat directly from container using brush, roller or spray. Allow primer coating to become tack-free before applying waterproof membrane. Only apply primer to substrate that will be membrane coated within 24 hours.

Apply the selected SILCOR polyurethane waterproofing product in strict accordance with product instructions.

Any primed area not coated with membrane within 24 hours must be first wiped with Xylene. As soon as xylene has dried, reprime with a light coat of SILCOR Primer BS at a rate of approximately 0.15kg/m². Any applied primer that has not been coated with membrane within 72 hours of application, must be fully removed by diamond grinding and re-primed.

Typical Properties

PROPERTY	TYPICAL VALUE
Colour	Clear
Specific Gravity	0.9-1.0g / mL
Viscosity	500 mPa.s
Water Resistance	Excellent
Solids content	74% w/w
Application temperature	5 °C - 35 °C
Application rate	0.3 kg/m ² (minimum – dependent on substrate quality and porosity)
VOC	<275 g/L
Tack Free Time	1 - 2 hours at 25 °C 2 - 4 hours at 10 °C
Minimum Recoat Time	1 - 2 hours at 25 °C 2 - 4 hours at 10 °C
Maximum Recoat Time	24 hours at 25 °C 36 hours at 10 °C
Note - Cure, tack free and recoat times assume good air flow and relative humidity of 60%.	

Coverage

Minimum application rate is approx. 0.3kg /m² (0.3 litres/m²).

Packaging

SILCOR Primer BS is packed in 17kg metal pails.

Storage

Stored in a cool, dry place. Unopened cans have a shelf life of 12 months.
Keep away from any fire hazards or ignition sources.

Health and Safety

Read and understand the product label and Safety Data Sheet (SDS) for each system component. All users should acquaint themselves with this information prior to working with the products and follow the precautionary statements. SDSs can be obtained by contacting your local GCP representative or office.

Limitations

Information contained in this document does not cover all possible application scenarios or imply product suitability for an application. Please contact your local GCP representative or the GCP Technical Department for further information.

Warranties

GCP and contractors recognised by GCP as experienced in the application of GCP products will provide warranties for individual projects. Warranty periods offered are dependent on project details and complexity. Requests for very long warranty periods may necessitate increased membrane thicknesses to ensure longevity.

Contact your local GCP representative for further details.

The information contained in this product data sheet supersedes all previous versions.

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