

SILCOR[®] Primer BS

Primer for elastomeric polyurethane and polyurea membranes

Product Description

A fast-drying, single-pack, modified polyurethane primer for use with all polyurethane and polyurea based membranes.

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

Uses

SILCOR[®] Primer BS is used for all SILCOR[®] polyurethane and polyurea membrane and BITUTHENE[®] Mastic Membrane. 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.

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 be cured 28 days and render 7 days.

SILCOR[®] Primer BS is used for substrates with maximum moisture content of 5%.

Application

Apply one coat directly from container using brush, roller or spray. While still wet, sand broadcast with washed, cleaned, oven dried silica quartz sand size 0.3mm to 0.6mm into the primer if delay between priming and membrane application of more than 24 hours is expected. (Optional)

Allow primer coating to become tack-free before applying waterproof membrane. Only apply primer to substrate that will be membrane coated within 6 hours.

Apply the selected polyurethane and polyurea waterproofing product from GCP Applied Technologies in strict accordance with product instructions.

Typical Properties

PROPERTY	TYPICAL VALUE
Colour	Clear
Specific Gravity	0.9-1.0g / mL
Adhesion to concrete substrate, ASTM D4541	>1.5MPa
Water Resistance	Excellent
Drying Time @ 20 °C	20 - 30 minutes

NOTE

SILCOR® PRIMER BS is flammable - exercise care when using in a confined space. Use PPE and/or ventilation as appropriate, if required.

Any primed area not coated with membrane within 6 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 0.1kg / 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.

Coverage

Application rate is approx 0.15kg / m² (0.15L / m²); 0.3kg / m² or more may be required for very porous concrete.

Packaging

SILCOR® Primer BS is packed in 17kg metal pails.

Clean Up

Use xylene before cured. Exercise care and review all Safety Data Sheet (SDS) before use.

Storage

Store in a cool, dry place. Unopened cans have a shelf life of 12 months at 25°C, 60% RH. Keep away from any fire hazards or ignition sources.

Health and Safety

In case of spills and accidents, refer to the SDS of the products or when in doubt contact your local GCP representative. Always wear protective clothing, gloves and protective goggles when handling chemical products. For full information, consult the relevant SDS.

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