

SILCOR[®] Fast Set Primer

Two component, low viscosity urethane primer for sprayable primer use.

Product Description

SILCOR[®] Fast Set Primer is a two-component fast curing, short recoat time urethane primer for concrete substrates specifically designed for SILCOR[®] liquid waterproofing membranes.

Product Advantages

- Fast curing with short recoat time : 20 minute recoat time at 70 °F (21 °C)
- Easy to apply by spray or roller or brush
- Convenient for large size jobs (10 gallon kit)
- Simple mix ratio (1:1 ratio by volume)
- Excellent adhesion exceeds concrete cohesive strength
- Can be applied easily from 40 °F to 100 °F (4-38 °C)
- Can be applied over wood, concrete and steel after relevant prep of substrates

Installation

1. Surface Preparation

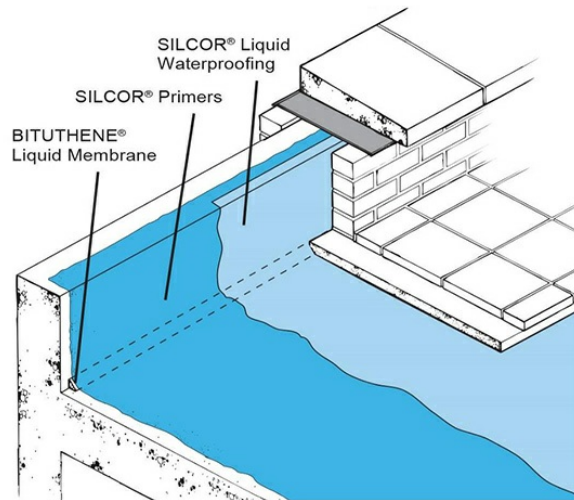
- Minimum pull-off adhesion strength of the concrete substrate as determined by ASTM D4541 or ASTM D7234 shall be 115 psi for limited access roofs and 215 psi for vehicular trafficked decks. Where these values are not achieved by pull-off adhesion testing, remove all laitance by shot blasting.
- Surfaces must be clean, sound, free of dust, laitance, sealers, grease or any other contaminants that might reduce adhesion.
- If power washing the substrate, allow sufficient time for the residual humidity to dissipate. The substrate moisture content before application of the primer must be less than 5%. The primer surface before application of SILCOR[®] liquid membrane must be clean and dry.
- For further details concerning surface preparation guidelines and primer choice, refer to the SILCOR[®] Application Manual.

2. Mixing

- Store SILCOR[®] Fast Set Primer in a dry and cool place out of direct sunlight.
- Add the complete quantity of the B-component to the A-component to assure correct mixing ratio.
- Mix with a slow turning mixer (less than 300 rpm) for 3 minutes in order to obtain a homogeneous mixture.

3. Application

- The application temperature range is 40 °F to 100 °F. Higher temperatures reduce the pot-life considerably.
- Apply SILCOR® Fast Set Primer to the surface by brush or roller immediately after mixing ensuring coverage of the entire surface.
- Pour the primer onto the surface in a zigzag pattern.
- After pouring onto the surface, distribute the primer evenly with foam rubber squeegees and roll using Perlon rollers.
- The primer should be evenly distributed at 10 mils thickness with complete coverage of the surface.
- If the surface is very porous and absorbs primer to the extent that open surface remains additional primer must be added in this area within the pot life or recoat time of the primer.



Details shown are typical illustrations only and not working drawings. For assistance with working drawings and additional technical advice please contact GCP Technical Services.

4. Curing

- The SILCOR® membrane should be applied within 24 hours. This window is influenced by ambient temperature and humidity. When this time is exceeded before the membrane is applied, re-apply a new layer of SILCOR® Fast Set Primer.

Recoat Times

- SILCOR® Fast Set Primer has excellent wetting and soaks into the concrete surface, tack free time is not a good indicator for recoat time. GCP recommends recoat time with adhesion strength testing according to ASTM D4541.

Ambient & Substrate Temperature	Minimum Recoat Time
95 °F (35 °C)	10 minutes
70 °F (21 °C)	20 minutes
40 °F (4 °C)	30 minutes

5. Cleaning

- Mixing and application equipment should be cleaned immediately with mineral spirits. Remove hardened material mechanically. All solvents should be used only in accordance with manufacturer's recommendations. Do not use solvents to clean hands or skin.

Supply

10 GALLON KIT	APPROX. UNIT OF SIZE
SILCOR® Fast Set Primer Part A	5 gal (iso)
SILCOR® Fast Set Primer Part B	5 gal (resin)

Typical Properties

PROPERTY	TYPICAL VALUE
Solid Contents	96.4% ASTM D2369
Working Time, cup, 70°F (21°C)	20 minutes
Concrete Adhesion	1,000 psi (6.9 MPa) or substrate failure ASTM D4541
Steel Adhesion	1,000 psi (6.9 MPa) or substrate failure ASTM D4541
Mix Ratio (by Volume)	1:1

Coverage

Approximately 192 ft²/gal (1,920 sqft/10 gallon kit), actual will vary depending on the absorption and profile of the surface.

Storage

SILCOR®Fast Set Primer should be stored and shipped in clean, dry, low-humidity, and shaded or covered environments in original sealed containers between 50°F (10°C) and 90°F (32°C). Shelf life is 1 year in unopened containers stored under the conditions described above.

Health and Safety

Read the product label and Safety Data Sheets (SDS)® Primer EPF (Part A)_{(USGHS).pdf}>(SDS A)® Primer EPF (Part B)_{(USGHS).pdf}>(SDS B) before use. SDSs can be obtained from GCP Applied Technologies.

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