

# SILCOR<sup>®</sup> Primer EPF

Two component, fast curing epoxy resin primer for use with Silcor liquid waterproof membranes.

---

## Product Description

SILCOR<sup>®</sup>Primer EPF is a two component epoxy resin primer, formulated specifically to optimise performance of Silcor liquid waterproof membranes.

The system comprises a resin (Part A) component and a hardener (Part B) component supplied in pre weighed containers at a mix ratio by weight of 1.77 Part A to 1.0 Part B.

## Principal Applications

Fast curing primer for new and existing substrates prior to the application of Silcor elastomeric waterproof membranes.

- Concrete roof decks
- Cementitious roof decks

## Installation

### 1. Surface preparation

Minimum cohesive strength of concrete is 0.8 MPa for limited access roofs and 1.5 MPa 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.

In case of using high pressure water jet, allow sufficient time for the residual humidity to dissipate.

The substrate humidity before application of the primer must be less than 5%. The primer surface humidity before application of Silcor liquid membrane must be less than 5%.

### 2. Mixing

Add the complete quantity of the B-component to the A-component. Do not use part mixes.

Mix with a slow speed paddle mixer (less than 300 rpm) for 3 minutes in order to obtain an homogenous mixture.

### 3. Application

Application temperature range 5°C to 25°C. Higher temperatures reduce the pot-life considerably.

Apply Silcor Primer EPF to the surface by brush, roller, spatula or airless spray ensuring coverage of the entire surface. Silcor Primer EPF epoxy primer for concrete, cementitious masonry and wood substrates should be applied at a typical consumption rate of 0.35 Kg/m<sup>2</sup>. Coverage rates will vary depending on surface irregularity. The primer should be applied to give full substrate coverage but should be applied as thinly as possible to prevent ponding.

When the primer has cured and all unbonded sand has been removed, check for any pinholes, blisters and similar. Apply a second coat of primer to all effected areas. If an extended primer re-coat time is preferred, (max 7 days) immediately following application of the primer and while still wet, scatter dry, washed quartz silica sand diameter 0.4 mm – 0.8 mm on the primer and cover fully. Leave the primer to dry completely (typically 2.5 hours at 20°C) then remove all loose sand by use of a compressed air lance, thorough brushing/scrubbing, and vacuum cleaning. Where an extended primer re-coat time is not required, application of quartz silica sand is not necessary. Leave the primer to dry and apply Silcor membrane within 18 hours maximum. **If application of Silcor membrane to un-sanded primer is delayed beyond this time, re-prime with a second coat of Silcor Primer EPF.**

Silcor Primer EPF can also be filled with dry, washed quartz silica sand to make a scratch coat for repairing and levelling small surface defects before the application of the membrane.

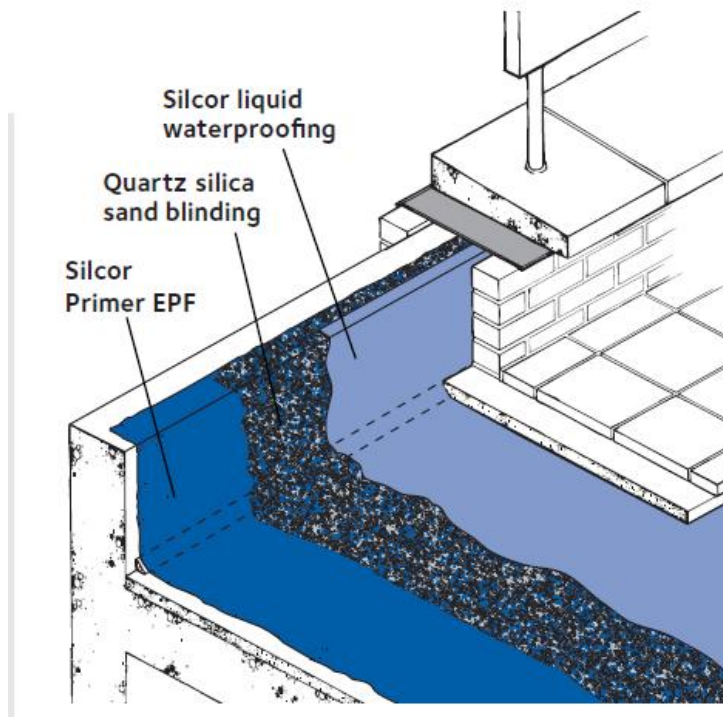
### Liquid Properties

PROPERTY	TYPICAL VALUE
Adhesion to concrete	concrete cohesive strength
Density	1.09 kg/l
Viscosity (mixed A + B) 20°C	600 mPas
Pot Life 20°C	20 mins
Hand dry 20°C	2.5 hours
Full cure	7 days

*All declared values shown in this data sheet are based on test results determined under laboratory conditions and with the product sample taken directly from stock in its original packing without any alteration or modification of its component parts.*

### Product Advantages

- Fast curing, short recoat times.
- Adhesion exceeds concrete cohesive strength
- Easy to apply by roller, brush or airless spray
- Solvent free.
- BBA Certificate.
- European Technical Approval.



Details shown are typical illustrations only and not working drawings. For assistance with working drawings and additional technical advice please contact GCP or visit [gcpat.com](http://gcpat.com).

#### 4. Curing

Allow the primer to cure for 2.5 hours or until hand dry before removing the surplus quartz sand or application of the Silcor membrane.

#### Supply

	UNIT OF SALE
Silcor Primer EPF Part A	3.2 kg metal can
Silcor Primer EPF Part B	1.8 kg metal can

#### Storage

All products should be stored internally, in original packaging at temperatures between 5°C and 25°C. Protect products from all sources of heat, moisture, frost and direct sunlight. Shelf life 12 months maximum.

#### Warranties

GCP and trained contractors can provide warranties for individual projects. Contact GCP for further details.

## NBS Specification Clause

Refer to Clause J30/130 and J31/130.

## Health and Safety

Read the product label and Safety Data Sheet (SDS) before use. Users must comply with all risk and safety phrases. SDSs can be obtained from [gcpat.com](http://gcpat.com).

[gcpat.com.au](http://gcpat.com.au) | Australia customer service: 1800 855 525

We hope the information here will be helpful. It is based on data and knowledge considered to be true and accurate, and is offered for consideration, investigation and verification by the user, but we do not warrant the results to be obtained. Please read all statements, recommendations, and suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation, or suggestion is intended for any use that would infringe any patent, copyright, or other third party right.

SILCOR is a trademark, which may be registered in the United States and/or other countries, of GCP Applied Technologies Inc. This trademark list has been compiled using available published information as of the publication date and may not accurately reflect current trademark ownership or status.

© Copyright 2017 GCP Applied Technologies Inc. All rights reserved.

GCP Applied Technologies Inc., 2325 Lakeview Parkway, Alpharetta, GA 30009, USA

GCP Australia Pty. Ltd., 14 Colebard Street West, Archerfield, Brisbane, Queensland 4108, Australia

This document is only current as of the last updated date stated below and is valid only for use in Australia. It is important that you always refer to the currently available information at the URL below to provide the most current product information at the time of use. Additional literature such as Contractor Manuals, Technical Bulletins, Detail Drawings and detailing recommendations and other relevant documents are also available on [www.gcpat.com.au](http://www.gcpat.com.au). Information found on other websites must not be relied upon, as they may not be up-to-date or applicable to the conditions in your location and we do not accept any responsibility for their content. If there are any conflicts or if you need more information, please contact GCP Customer Service.

Last Updated: 2023-07-06

[gcpat.com.au/solutions/products/silcor-liquid-waterproofing/silcor-primer-epf-0](http://gcpat.com.au/solutions/products/silcor-liquid-waterproofing/silcor-primer-epf-0)