

## Silcor® 560

### Fast-cure, polyurethane waterproofing membrane

#### Description

A high performance, low odour, one-part, fast-curing, high solids, polyurethane elastomer waterproof membrane. It is specially formulated for easy roller application of all permanently flexible, tough, high build, long-life waterproof barriers.

#### Features

- Easy, fast, high build, one-coat application with brush or roller is possible
- Simple, seamless, fast-cure membrane
- Excellent chemical resistance, suitable for acid sulphate soils
- Waterproof - resists ponded water
- Permanently flexible - total adhesion
- Single-pack - no mixing, high build
- Systems for Total Project Specification

Silcor® 560 is a pure polyurethane elastomer. It does not contain bitumen or tar and will not bleed or stain.

Engineered to allow high build application without multi-layering and/or reinforcing mat.

Design a Total Waterproofing Envelope package with Grace waterproofing systems.

#### Uses

Silcor 560 is used for:

- Wet Areas - bathrooms, shower trays, laundries, toilets, spas.
- External (non-exposed) - balconies, roof-decks, sill or window flashings, podiums, planters.
- Tanking - retaining walls, landscaped areas, ponds, water features, non-potable water storage.
- It can be applied to most stable surfaces – block, brick, concrete, render, timber, CFC, GRC, ALC, etc.

#### Preparation

Surfaces must be sound, smooth and free from dust, laitance, loose matter, oil or other contaminants.



Concrete should be cured 28 days and render 7 days.

Use Silcor LM PU sealant to fill joints, cracks, gaps and form angle fillets to internal corners or penetrations.

#### Bond Breaker

Install Silcor LMPU sealant as bond breaker. Allow all detailing work to skin cure before proceeding with general membrane installation.

#### Application

##### Primer

To inhibit pin-holes and seal dusty, porous surfaces use one coat of Silcor Primer BS at 8-10m<sup>2</sup>/kg and allow to dry.

Use Silcor Primer BW F100 to seal any damp or green concrete. Roughen PVC or stainless steel before priming with Silcor Primer BW F100.

##### Application of Continuous Membrane

Apply Silcor 560 membrane liberally by brush, squeegee roller or airless spray. Allow to dry fully between coats. Apply to a minimum total WFT (Wet Film Thickness) of 1.8mm to achieve the required minimum DFT of 1.5mm. Apply in one or two coats. Test WFT during application using a Wet Film Thickness Gauge.

Do not use on trafficable areas.



## Typical Properties

Property	Typical Value	Test Method
Colour	Black	-
Specific Gravity	1.45 g/ml	-
Solid % Vol	91 ± 3	-
Cure Time - Ready for Flood Test, Tiling, Topping	48 hours	-
Tensile Strength	> 2.0 MPa	ASTM D412
Elongation	> 550%	ASTM D412
Shore A Hardness	60 ± 5	ASTM D2240
Chemical Resistance	Excellent	ASTM C543

## Surfacing

Allow product to cure overnight before foot traffic. Protect installed membrane from damage. If surface retains any tacky feel, access is achieved by a light broadcast of fine sand. Remove any loose materials before over-coating.

The following surfacing systems may be used after Silcor 560 membrane has fully cured.

- **Exposed Areas**  
Use Silcor Top Coat 80 (non-slip or sheen finish) to provide UV stable protective finish.
- **Tiles**  
Lay ceramic tiles on mortar bed or apply sand layer before application of suitable adhesive.
- **Rigid Surfaces**  
Use 0.2mm polyethylene slip-sheet under concrete toppings. Lay paving slabs supported on mortar bed.
- **Tanking**  
Cover with Grace Bituthene® Protection Board or Hydroduct® Drainage Board, followed by backfill or landscaping.
- **Decorative Finishes**  
Use Silcor Primer BW F100 to seal surface, then apply any exterior quality acrylic paint.

## Coverage

External - Balconies, decks, retaining walls and planters

- 1.25 lit (1.75kg) to 1.5 lit (2kg)/m<sup>2</sup>

Internal Wet Areas

- Floors - 1.25 lit (1.75kg) to 1.5 lit (2kg)/m<sup>2</sup>
- Walls - 0.4 lit (0.5kg) to 0.5 lit (0.7kg)/m<sup>2</sup>

## Packaging

Silcor 560 Membrane 22kg pails

## Clean Up

Use methylated spirits before curing. Exercise care when using solvent, review all Material Safety Data Sheet (MSDS) before use.

## Shelf Life

Do not store product exposed to weather and sun. When kept in a cool, dry, protected area, sealed pails have a 6- month shelf life at 25°C, 60% RH, but once opened may solidify within a few days.

## Health and Safety

In case of spills and accidents, refer to the MSDS of the products or when in doubt contact your local Grace representative.

Always wear protective clothing, gloves and protective goggles when handling chemical products.

For full information, consult the relevant MSDS.

## Project Specification

Grace offers a comprehensive package of quality and proven systems to meet different project and application needs. Contact your local Grace representative for further information.

## [www.grace.com/construction](http://www.grace.com/construction)

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Printed in Singapore 10/14