

Silcor® 575

One-part, foot-trafficable, polyurethane waterproofing membrane

Product Description

One-part, high performance, polyurethane membrane. When combined with Silcor® Top Coat 80, provides a durable, UV-resistant, foot-trafficable waterproofing system for roofs, decks and plant rooms.

Features

- Easy and low cost to install, maintain or refurbish
- Quick access for trades
- Waterproof — resists ponded water
- Resistant to UV exposure and many alkalis, acids, oils and fuel
- Single-pack — no mixing
- UV colour-stable, non-slip and foot-trafficable with Silcor Top Coat 80
- Low odour and non-stain
- Forms a one-piece membrane barrier
- Will not become brittle with age

Silcor 575 System provides a truly durable elastomeric membrane fully laminated to the substrate. It is engineered to allow application by “flood coating” using a squeegee, without multi-layering.

Silcor 575 System may be left exposed, painted, over coated or tiled as required. See surfacing data following.

Uses

Silcor 575 System is specifically designed for use as a non-slip, fully-exposed membrane on foot-trafficable areas, including:

- Plant room floors
- Balconies
- Roof-decks
- Sill or window flashings
- Podiums
- Bunds
- Exposed pathway areas

The system can be applied to most surfaces.

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.



Repair surface defects with modified mortar.

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

Bond Breaker

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

Application

Priming

To inhibit pin-holes and seal dusty, porous surfaces use one coat of Silcor Primer BS at 8 – 10m² / 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

Silcor 575 Membrane is best applied in one application by squeegee. It can also be used by brush, 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.

Typical Properties

Property	Typical Value	Test Method
Colour	Grey	-
Specific Gravity	1.4g / ml	-
Solid % Vol	91 ± 3	-
Cure Time - Ready for Flood Test, Tiling, Topping	48 hours	-
Tensile Strength	> 2.5MPa	ASTM D412
Elongation	> 500%	ASTM D412
Shore A Hardness	75 ± 5	ASTM D2240
Chemical Resistance	Excellent	ASTM C543

Topcoat

Mix Silcor Top Coat 80 and apply in one or two coats by brush, roller or airless spray of a total rate of 0.3kg / m² to give uniform finish with DFT 0.15mm. Grey and a limited colour range are available.

Surfacing

Silcor 575 membrane may be subjected to foot-traffic after 12 hours. Following surfacing systems may be used over the fully-cured Silcor 575 membrane layer without top coat:

• Tiles

Lay ceramic tiles on mortar bed or apply sand layer before application of suitable adhesive.

• Decorative Finishes

Use Silcor Primer BW F100 as sealer for premium quality exterior acrylic paints or texture coatings.

• Other Rigid Surfaces

Use a 0.2mm thick polyethylene plastic slip-sheet under concrete toppings. Lay paving slabs supported on mortar bed.

• Tanking

Cover with Bituthene® Protection Board or Hydroduct® Drainage Board, followed by backfill or landscaping.

Coverage

Silcor 575 Membrane 2.1kg / m²

Packaging

Silcor 575 Membrane 22kg pails

Clean Up

Use methylated spirits before curing. Exercise care with solvents and review Material Safety Data Sheet (MSDS).

Shelf Life

Do not store product exposed to weather and sun. When kept in a cool, dry, protected area, sealed pails have a six-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 GCP representative.

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

For full information, consult the relevant MSDS.

Project Specification

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

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GRACE CONSTRUCTION & PACKAGING