



SILCOR®

GCP HIGH PERFORMANCE
LIQUID WATERPROOFING

LIQUID WATERPROOFING
MEMBRANE



SILCOR®

Liquid Waterproofing Membrane

It is a well-known fact that the majority of waterproofing fails at terminations, joints and penetrations. As buildings with exciting and creative architectural designs are increasingly being constructed, complex shapes and detailing present challenges for waterproofing. Liquid-applied waterproofing, with its versatility, can provide protection for the entire building envelope. Its flexibility in application overcomes vulnerable joints and protrusions without compromising waterproofing integrity.



Seamless, Long Lasting Protection from SILCOR® Liquid Waterproofing

SILCOR liquid waterproofing is specially developed by GCP Applied Technologies, incorporating the latest technical advancements in polyurea and polyurethane to optimise product application and durability. It is a liquid system that cures rapidly to form a seamless, monolithic membrane fully bonded to the substrate. Based on advanced chemistry, SILCOR is exceptionally durable with excellent wear and chemical resistance, offering your structure long lasting waterproofing protection.

The SILCOR System

The SILCOR system comprises liquid waterproof membranes, top coat, primers and detailing products. With proper application, it delivers excellent adhesion to concrete and steel. In addition, it offers flexibility through spray as well as hand application. SILCOR is installed only by experienced and trained applicators, reducing the risk of failure due to poor quality installation.





■ **SILCOR Benefits**

Seamless	Continuous waterproof barrier, delivering waterproofing integrity
Fast Cure	Short return to service time allows for completion ahead of construction schedule
Robust	Wide application temperature and humidity range
Productivity	Can be spray applied or hand applied for maximum coverage per day
Fully Bonded to Substrate	Eliminates water migration preventing water tracking
Environmentally Friendly	Low VOC grades available
Elastomeric	Accommodates structural movements and bridges concrete shrinkage cracks
Chemical Resistance	Excellent fuel and chemical resistance
Durable	Tough, with excellent wear and abrasion resistance

[illegible]

All above GCP liquid waterproofing products are designed to comply with AS3740 and AS4654 requirements
*** With GCP Top Coat applied over the membrane**

Installation and Performance

■ Installation and Performance	SILCOR 140 FB	SILCOR 145 FB	SILCOR 560 HB	SILCOR 560 HB LVOC	SILCOR 575 LB	SILCOR 575 HB	SILCOR 580	SILCOR 780 HI- LP	SILCOR 790 HI	SILCOR 990 MP (A)
	replaces									
	water-based acrylic with microfibre									
	water-based acrylic with microfibre									
	1-part Polyurethane									
	1-part Polyurethane									
	2-part Polyurethane									
	Hybrid Polyurea									
	Pure Polyurea									
	INSTALLATION METHOD									
Spray Applied	/	/	/	/	+	/	+	+++	+++	+++
Hand Applied	+++	+++	+++	+++	+++	+++	+++	/	/	/
PERFORMANCE / FEATURES										
Shore A Hardness	N/A	N/A	55	55	65	65	80	80	90	90
High Elongation	+	+	+++	+++	+++	+++	++	++	++	++
Extreme Toughness	+	+	+	+	++	++	+++	+++	+++	+++
Fast Cure	+	+	+	+	+	+	++	+++	+++	+++
Self-Levelling Application	/	/	/	/	+++	/	+++	+	/	/
Horizontal / Sloping Application	+++	+++	+++	+++	++	+++	++	+++	+++	+++
Vertical Application	+++	+++	+++	+++	++	+++	++	+++	+++	+++
Low VOC	+++	+++	++	+++	++	++	++	+++	+++	+++
Chemical Resistance	++	++	++	++	++	++	++	++	++	+++
AS 3740 / AS 4654 Classification	II	II	III	III	III	III	III	III	III	III

+++ Highly Suitable/Excellent
++ Suitable/Very Good
+ May be Suitable/Good. Please contact GCP Technical Services for details
/ Unsuitable/Not Recommended

GCP Applied Technologies – Your First Stop for Waterproofing

SILCOR is developed to be fully compatible with waterproofing systems from GCP Applied Technologies. As illustrated, SILCOR liquid waterproofing can be used seamlessly with waterproofing membranes, integral waterproofing and cementitious waterproofing, on a variety of applications. You can specify and use GCP's waterproofing systems with confidence, as we are your one stop for solutions, service and support.

SILCOR APPLICATIONS

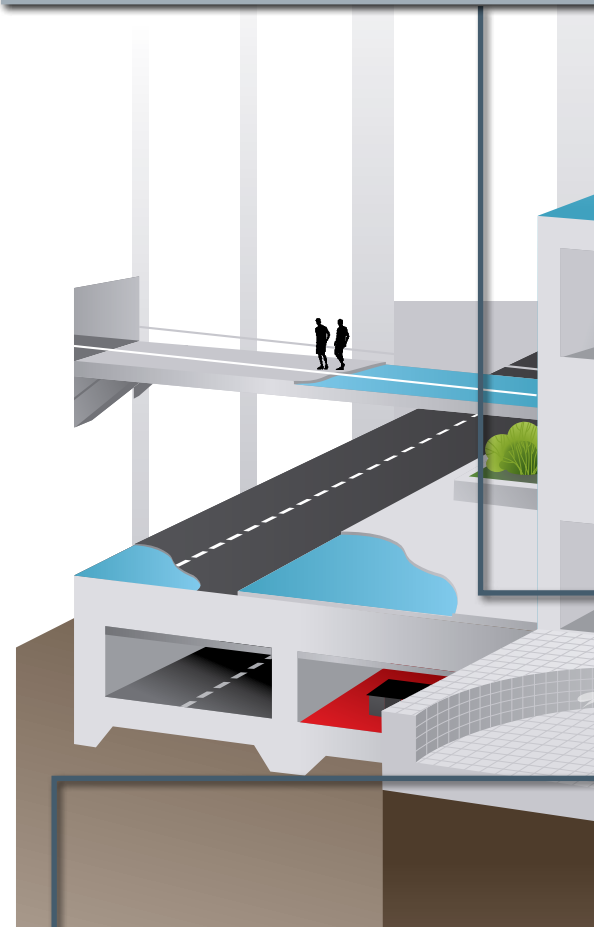
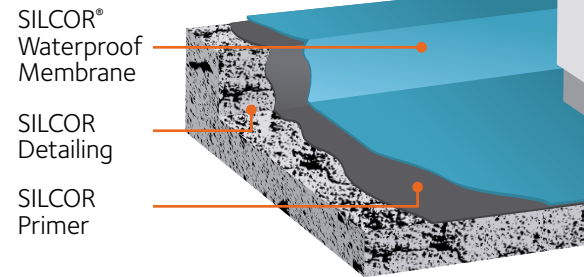
SILCOR is highly versatile and can be used for new and remedial waterproofing for a wide range of applications:

- Tunnels/ below ground foundations
- Podium decks
- Plaza decks
- Balconies and terraces
- Wet rooms
- Walkways and foot bridges
- High foot traffic areas
- Concrete roof decks
- Green/ planted roofs
- Water features/ planters
- Service reservoir roofs
- Industrial tanking
- Truck bed lining
- Secondary containment

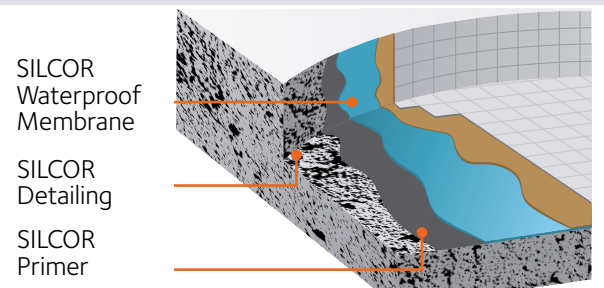
GCP's complete systems-based approach to waterproofing allows effective enveloping of structures with a flexible, fully-adhered waterproofing barrier. Its SILCOR liquid waterproofing is developed to be fully compatible with all GCP waterproofing systems. It works with waterproof membranes from GCP Applied Technologies, such as PREPRUFE® pre-applied waterproof membrane, with its advanced bond technology that forms a unique integral seal to concrete poured against it. Together with its BITUTHENE® family of self-adhesive waterproof membranes, both have been applied to innumerable projects all over the world. In addition, its BETEC™ range of cementitious and crystalline waterproofing products, and ADPRUFE® integral waterproofing, offer architects and contractors additional options for the waterproofing of concrete. Complementing the systems are HYDRODUCT® drainage components and the DE NEEF range of joint protection systems.

GCP is your one stop for virtually any below and above ground application solutions.

Internal Wet Areas



Water Features



Metal Roofs

BITUTHENE®
Primer

ICE & WATER
SHIELD™ Roofing
Underlayment

BETEC™
Cementitious
Waterproofing

Non-Exposed Decks / Balconies / Roofs

BETEC
Cementitious
Waterproofing

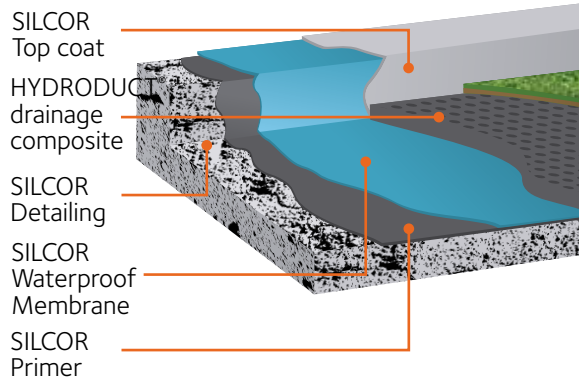
SILCOR
Waterproof
Membrane

SILCOR
Primer

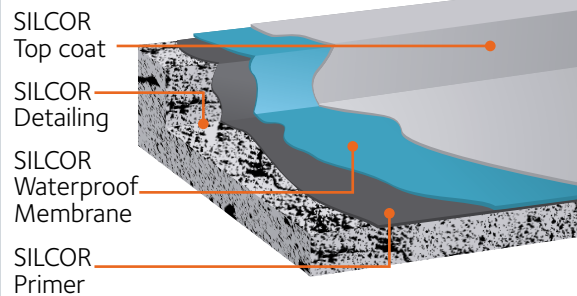
BITUTHENE
Primer

BITUTHENE
Waterproof
Membrane

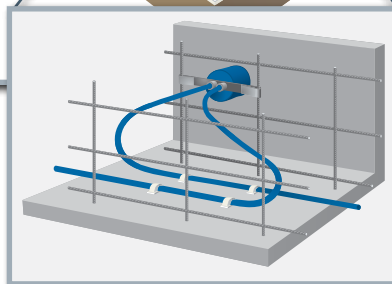
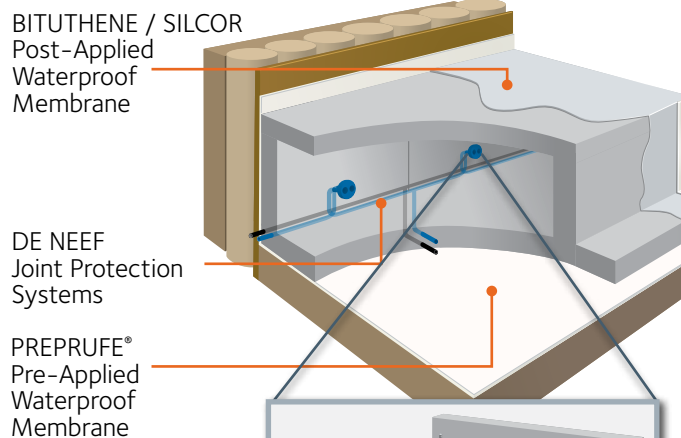
Green / Planted Roofs



Exposed Deck / Balconies / Roofs



Tunnel



Internal Wet Areas

- SILCOR® Waterproof Membrane
- SILCOR Detailing
- SILCOR Primer
- BETEC™ Cementitious Waterproofing

Water Features

- SILCOR Waterproof Membrane
- SILCOR Detailing
- SILCOR Primer
- BETEC Cementitious Waterproofing

Metal Roofs

- ICE & WATER SHIELD™ Roofing Underlayment
- BITUTHENE® Primer

Green / Planted Roofs

- SILCOR Top Coat
- HYDRODUCT® Drainage Composite
- SILCOR Waterproof Membrane
- SILCOR Detailing
- SILCOR Primer
- BITUTHENE Waterproof Membrane
- BITUTHENE Primer

Exposed Deck / Balconies / Roofs

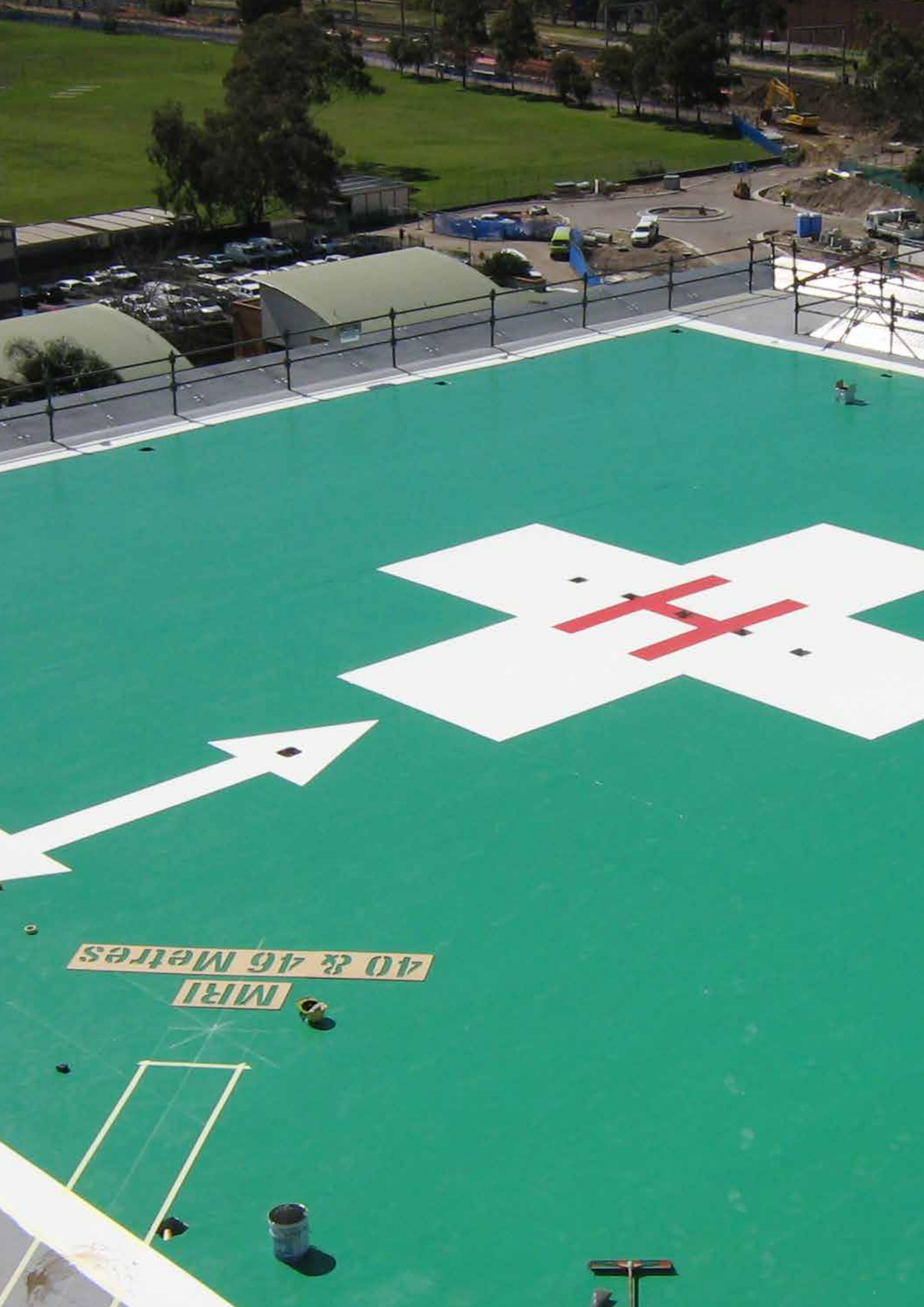
- SILCOR Top Coat
- SILCOR Waterproof Membrane
- SILCOR Detailing
- SILCOR Primer

Non-Exposed Decks / Balconies / Roofs

- SILCOR Waterproof Membrane
- SILCOR Primer
- BITUTHENE Waterproof Membrane
- BITUTHENE Primer
- ADPRUFE® Integral Waterproofing

Tunnel

- PREPRUFE® Pre-Applied Waterproof Membrane
- BITUTHENE / SILCOR Post-Applied Waterproof Membrane
- ADPRUFE Integral Waterproofing
- DE NEEF Joint Protection Systems



MIRI 40 & 46 Metres

MIRI



SAINT-GOBAIN

CONSTRUCTION CHEMICALS

GCP • 14 Colebard Street West
Archerfield . QLD 4108 . AUSTRALIA
+61 1800 334 444
gcpat.com.au



Copyright 2024 GCP Applied Technologies Inc. All rights reserved
FC_AU Silcor_Bro_JUL 2024_EN(GCP)bleed_b