

# Seamless, Long Lasting Waterproofing Protection

**Silcor<sup>®</sup>**  
Liquid Waterproofing



**gcp** applied technologies

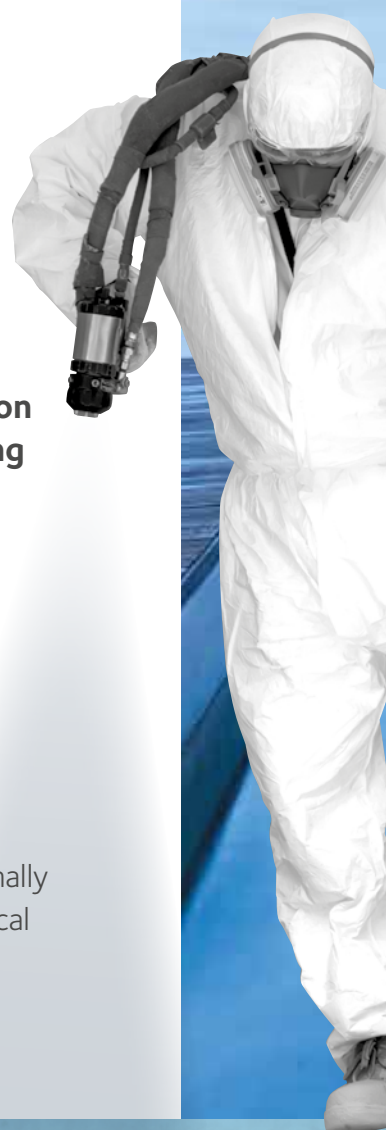


It is a well-known fact that the majority of waterproofing fails at terminations, joints and penetrations. As buildings with exciting and creative architectural designs are increasingly being constructed, complex shapes and detailing present challenges for waterproofing. Liquid-applied waterproofing, 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.





### ■ 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

## 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 trowel application. Silcor is installed only by experienced and trained applicators, reducing the risk of failure due to poor quality installation.



### TECHNOLOGY

■ Application	Silcor 560	Silcor 560 LVOC	Silcor 575	Silcor 580	Silcor 780 HI-LP	Silcor 990MP
	1-part Polyurethane	1-part Polyurethane	1-part Polyurethane	2-part Polyurethane	Hybrid Polyurea	Pure Polyurea
Basement and Retaining Wall	●	●			●	●
Base Slab				●	●	●
Covered Roof Deck	●	●	●	●	●	●
Exposed Roof Deck			●	●	●	●
Wet Plant Room			●	●	●	●
Non-Trafficable / Covered Deck	●	●			●	●
Foot Trafficable Deck			●	●	●	●
Vehicle Trafficable Deck				●	●	●
Car Park / Ramp				●	●	●
Planter Box	●	●			●	●
Landscaped Podium / Green Roof				●	●	●
Internal Wet Area / Bathroom	●	●			●	●
Non-Potable Water Tank	●	●			●	●
Potable Water Storage Tank						●
Secondary Chemical Containment				●	●	●
Bridge Deck					●	●

## GCP Applied Technologies – Your First Stop for Waterproofing

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.*

■ Installation and Performance	TECHNOLOGY					
	Silcor 560	Silcor 560 LVOC	Silcor 575	Silcor 580	Silcor 780 HI-LP	Silcor 990MP
	1-part Polyurethane	1-part Polyurethane	1-part Polyurethane	2-part Polyurethane	Hybrid Polyurea	Pure Polyurea
<b>INSTALLATION METHOD</b>						
High-Output Spray Machine					●	●
Low-Output Spray Machine	●	●	●	●	●	
Hand Applied / Airless Spray	●	●	●	●		
<b>PERFORMANCE / FEATURES</b>						
Shore A Hardness	60°A	60°A	75°A	80°A	80°A	90°A
High Elongation	●	●	●	●	●	●
Extremely Tough			●	●	●	●
Fast Cure	●	●	●	●		
Very Fast Cure					●	●
Suitable for Vertical Application	●	●			●	●
Self-Levelling			●	●		
Low VOC	●	●	●	●		
Good Chemical Resistance	●	●	●			
High Chemical Resistance				●	●	●

# Your First Stop for Waterproofing

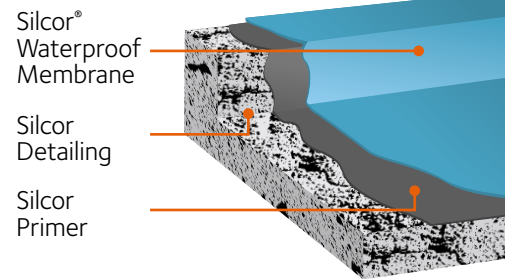
Silcor is developed to be fully compatible with waterproofing systems from GCP Applied Technologies. As illustrated, Silcor liquid waterproofing can be used seamlessly with waterproofing membranes, integral waterproofing and cementitious waterproofing, on a variety of applications. You can specify and 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

### Wet Roo

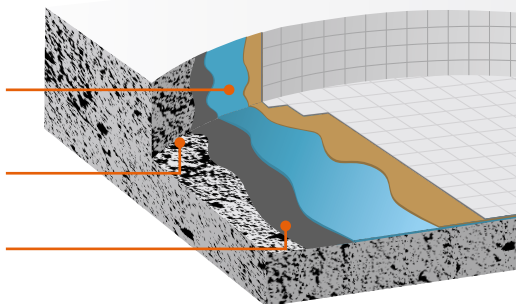


### Water Features

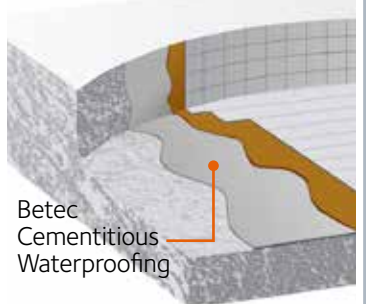
Silcor  
Waterproof  
Membrane

Silcor  
Detailing

Silcor  
Primer

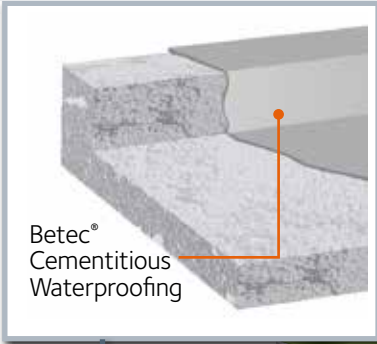
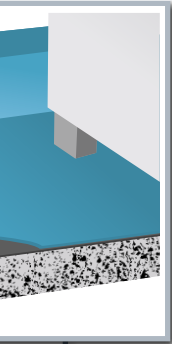


Betec  
Cementitious  
Waterproofing



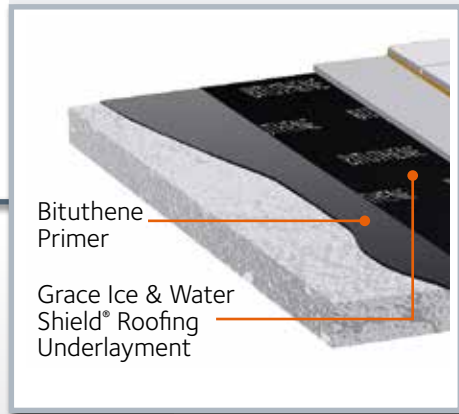


## ms/Bunds



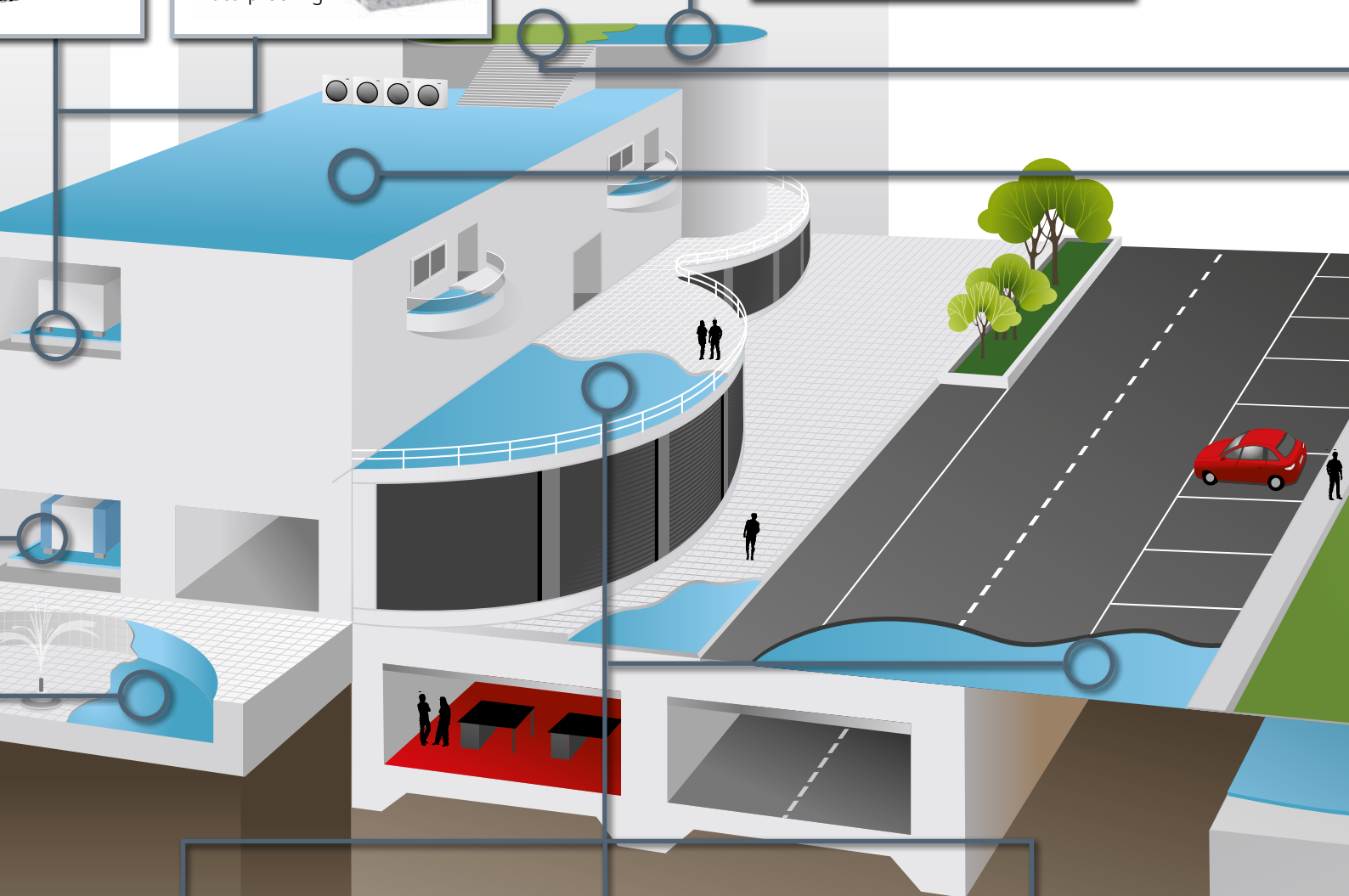
Betec®  
Cementitious  
Waterproofing

## Metal Roofs

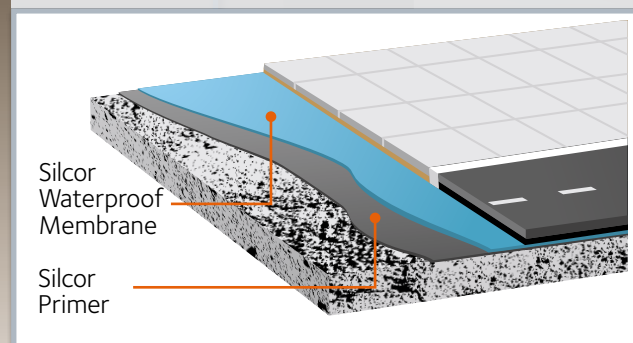


Bituthene  
Primer

Grace Ice & Water  
Shield® Roofing  
Underlayment

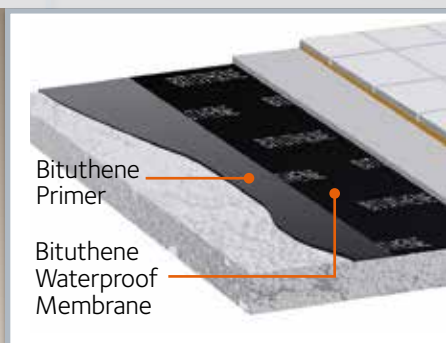


## Podium Decks



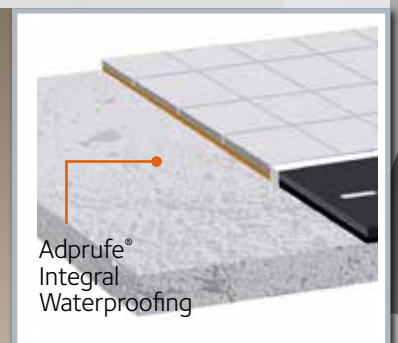
Silcor  
Waterproof  
Membrane

Silcor  
Primer



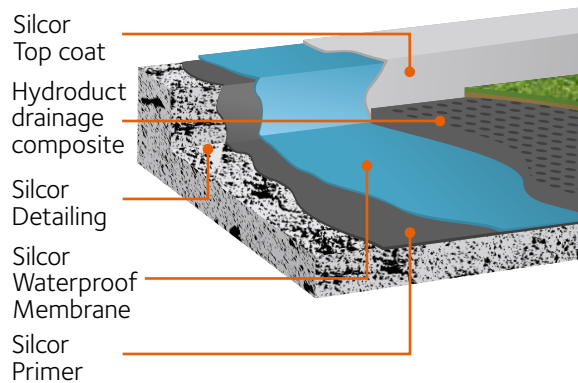
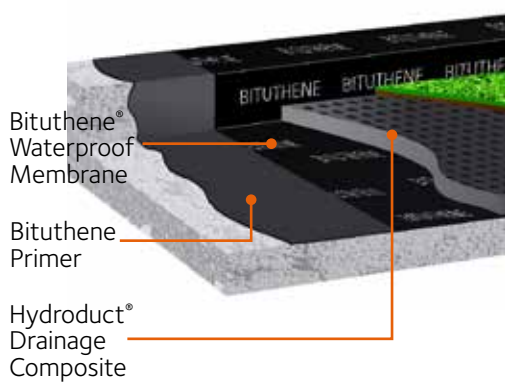
Bituthene  
Primer

Bituthene  
Waterproof  
Membrane

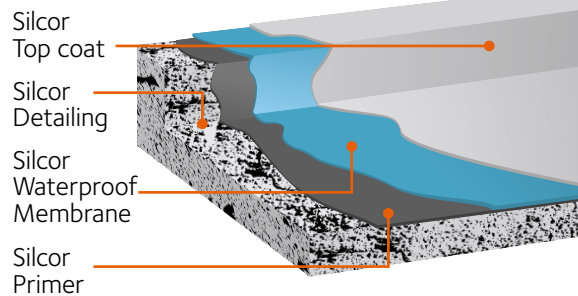


Adprufe®  
Integral  
Waterproofing

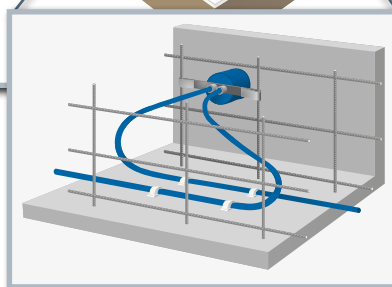
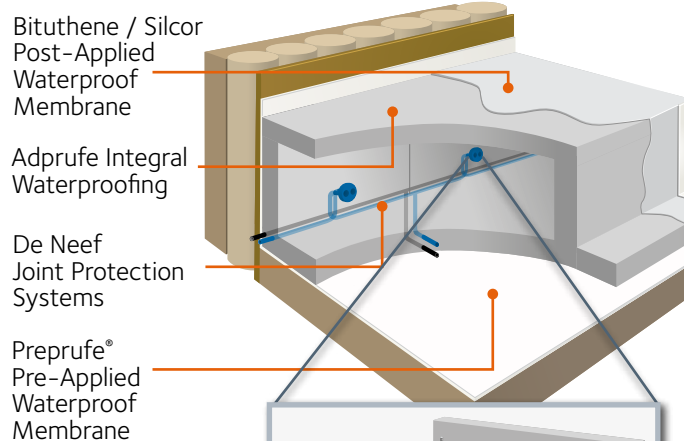
## Green Roofs



## Exposed Decks/Roofs



## Tunnel



### Wet Rooms / Bunds

- Silcor® Waterproof Membrane
- Silcor Detailing
- Silcor Primer
- Betec® Cementitious Waterproofing

### Water Features

- Silcor Waterproof Membrane
- Silcor Detailing
- Silcor Primer
- Betec Cementitious Waterproofing

### Metal Roofs

- Grace Ice & Water Shield® Roofing Underlayment
- Bituthene Primer

### Green Roofs

- Silcor Top Coat
- Hydroduct® Drainage Composite
- Silcor Waterproof Membrane
- Silcor Detailing
- Silcor Primer
- Bituthene® Waterproof Membrane
- Bituthene Primer

### Exposed Decks / Roofs

- Silcor Top Coat
- Silcor Waterproof Membrane
- Silcor Detailing
- Silcor Primer

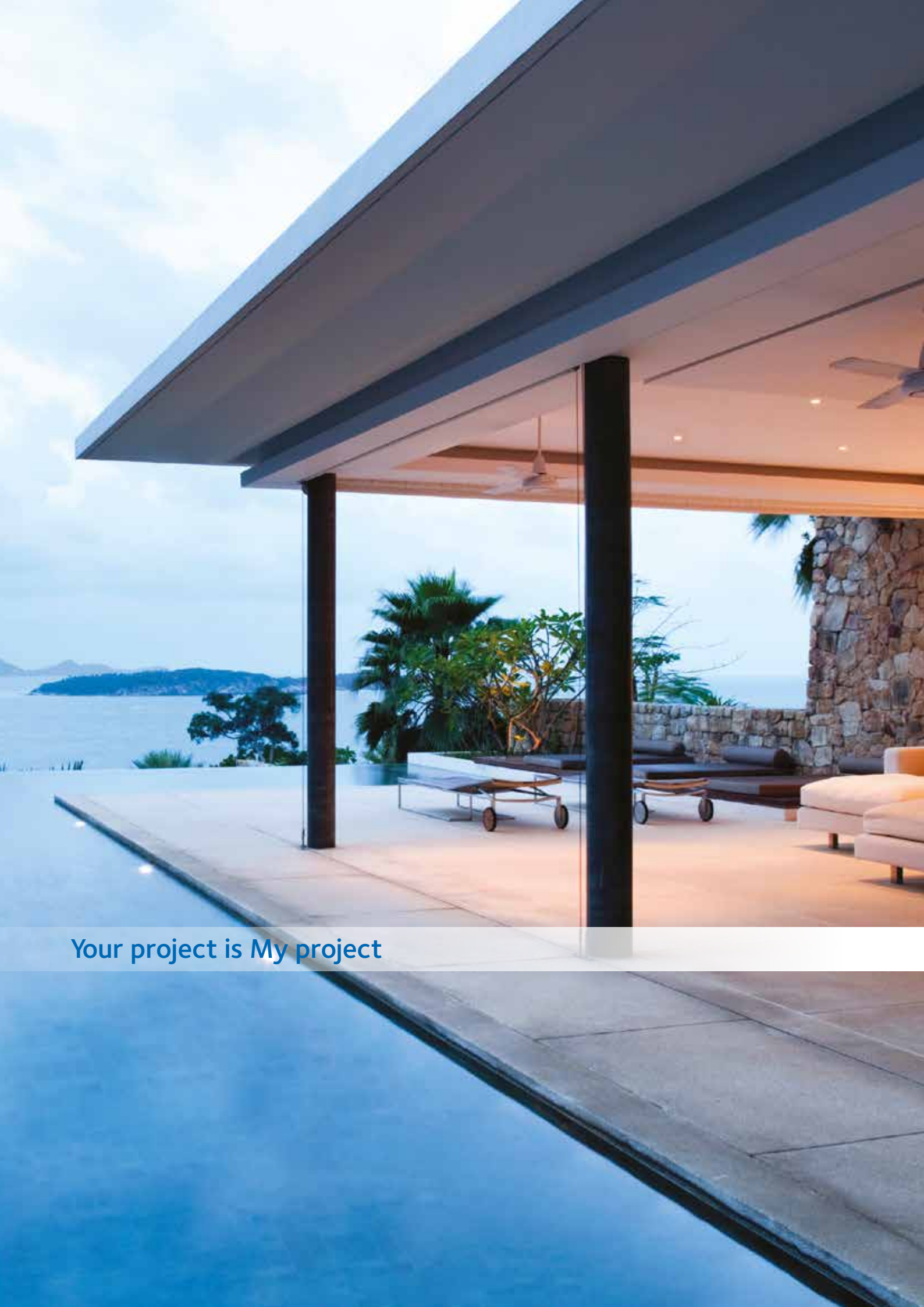
### Podium Decks

- 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





Your project is My project

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