



*constructive solutions*

# WATER- PROOFING SOLUTIONS

**TORCH APPLIED**

**PROOFEX® TORCHSEAL**





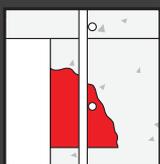
## About Fosroc and Parchem

Fosroc is a world leader in construction solutions. Since the company's beginnings over 80 years ago, Fosroc has developed into an international leader in delivering construction solutions for virtually any building or infrastructure project. New or old construction above or below ground, we combine high quality products, expert technical support, customer service and innovation to give you the best solution for your project.

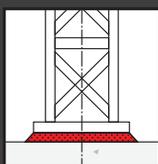
We provide construction solutions for; new and old concrete repair, grouts, waterproofing, joint fillers & sealants, industrial flooring, protective coatings, surface treatments, concrete admixtures and grinding aids.

Fosroc has an extensive network of offices and manufacturing locations across Europe, the Middle East, India and Asia, and is further represented in other regions across the world by distributor and licensee partners.

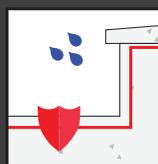
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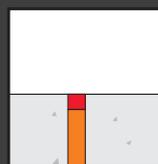
Concrete Repair



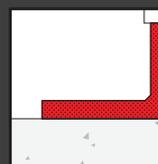
Grouts



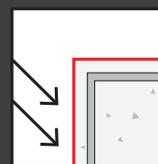
Waterproofing



Joint Fillers & Sealants



Industrial Flooring



Protective Coatings



Surface Treatments

# Fosroc Waterproofing Solutions

Fosroc offers a comprehensive range of world class waterproofing solutions and systems from below ground to high above it, including sheet, liquid and torch applied membranes.

Whether your structure will be affected by rainwater, groundwater or contaminants within the soil, Fosroc's product portfolio and expert technical advice combine to provide cost effective project solutions.

## Our Torch Applied Range

### Torch Applied Waterproofing

Proofex Torchseal A300

Proofex Torchseal A350

Proofex Torchseal A400

Proofex Torchseal A500

Proofex Torchseal A600

Proofex Torchseal A625

Proofex Torchseal A700

Proofex Torchseal A800

Proofex Torchseal A825

Proofex Torchseal A900

### Waterproofing Accessories

Primer 24

Proofex Torchseal Pressure Seal Flashing

Proofex Protection Board PP

Proofex Sheetdrain 81



# Product Selector

## Torch Applied Waterproofing

Proofex Torchseal is a range of APP (atactic polypropylene) based torch applied waterproofing membranes, ideal for the Australian and New Zealand climate. APP membranes provide greater UV resistance and heat resistance in harsh climates compared to SBS membranes.



### EXPOSED TOP LAYER

Mineral finish top layer to provide long term UV resistance for situations where the top layer will be left visible.

<p><b>Torchseal A625</b></p> <ul style="list-style-type: none"> <li>• 4.5mm thick mineral finish waterproofing membrane</li> <li>• Cold bending to -10°C</li> </ul>	<p><b>Torchseal A825</b></p> <ul style="list-style-type: none"> <li>• 4.5kg/m<sup>2</sup> thick mineral finish waterproofing membrane</li> <li>• Cold bending to -15°C</li> </ul>
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### ANTI-ROOT LAYER

For planted areas and green roofs that will be covered with soil, stones or gravel, to prevent penetration of plant roots.

**Torchseal A700**

- Plant root repellent membrane
- Cold bending to -10°C

### BASE LAYER

A range of base layers that can be used in multi-layer systems, or covered with stones, gravel, paving or another structure, depending on the project requirements.

<p><b>Torchseal A500</b></p> <ul style="list-style-type: none"> <li>• 3.5mm thick waterproofing membrane</li> <li>• Cold bending to -5°C</li> </ul>	<p><b>Torchseal A600</b></p> <ul style="list-style-type: none"> <li>• 3mm thick waterproofing membrane</li> <li>• Cold bending to -10°C</li> </ul>	<p><b>Torchseal A800</b></p> <ul style="list-style-type: none"> <li>• 4mm thick waterproofing membrane</li> <li>• Cold bending to -15°C</li> </ul>
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### BRIDGE DECK

Membrane specifically designed for bridge decks that will receive hot rolled asphalt.

**Torchseal A900**

- 5mm thick waterproofing membrane
- Cold bending to -15°C

### SPECIALISED FIRST LAYER

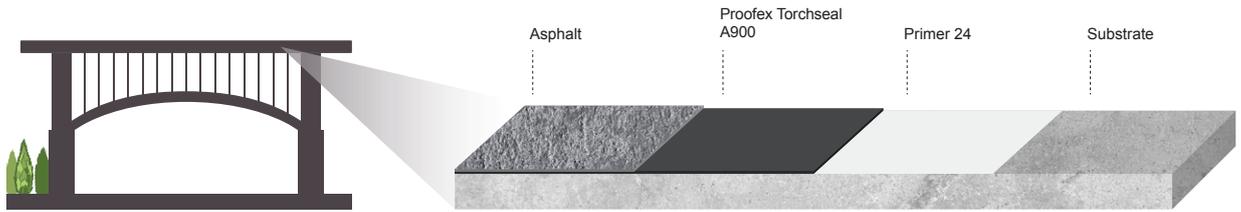
These specialised membranes can be used as the first layer to provide heat resistance or vapour ventilation depending on the project requirements.

<p><b>Torchseal A300</b></p> <ul style="list-style-type: none"> <li>• Fabric backed base sheet for use over heat sensitive substrates in multi-layer torch-on applications</li> <li>• Cold bending to -10°C</li> </ul>	<p><b>Torchseal A350</b></p> <ul style="list-style-type: none"> <li>• Self-adhesive base sheet for use over heat sensitive substrates in multi-layer torch-on applications</li> <li>• Cold bending to -15°C</li> </ul>	<p><b>Torchseal A400</b></p> <ul style="list-style-type: none"> <li>• Perforated reinforced base sheet to relieve water vapour pressure from under multi-layer torch-on membrane applications</li> <li>• Cold bending: N/A – the membrane is applied horizontally allowing vapour to move</li> </ul>
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# System Recommendations

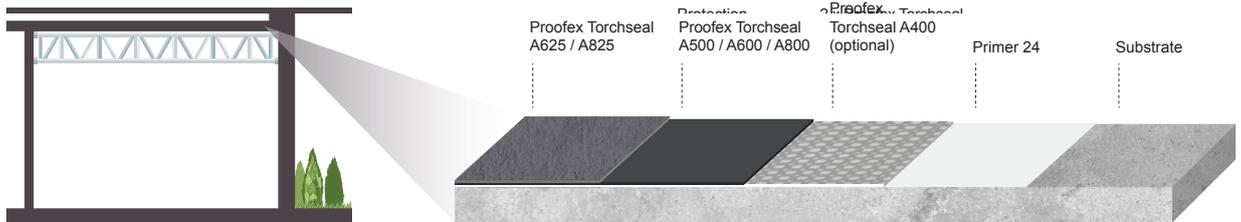
## Exposed Roofs & Podiums

Unexposed top layer

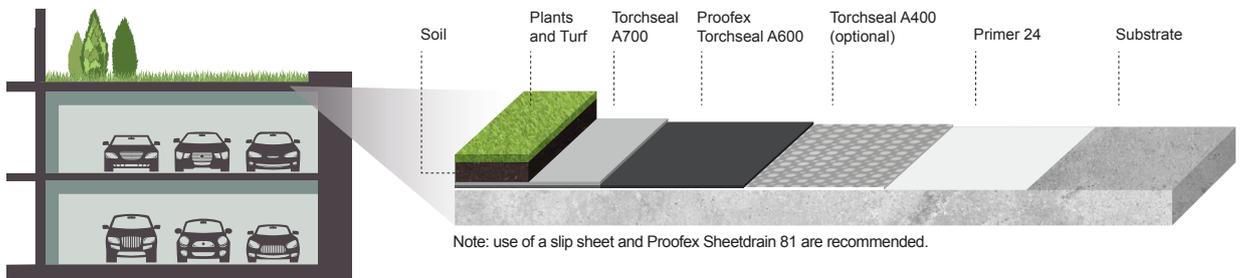


Note: use of a slip sheet is recommended.

## Exposed top layer

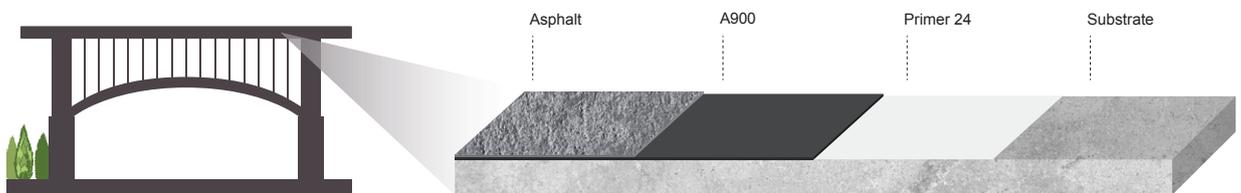


## Planted Areas & Green roofs

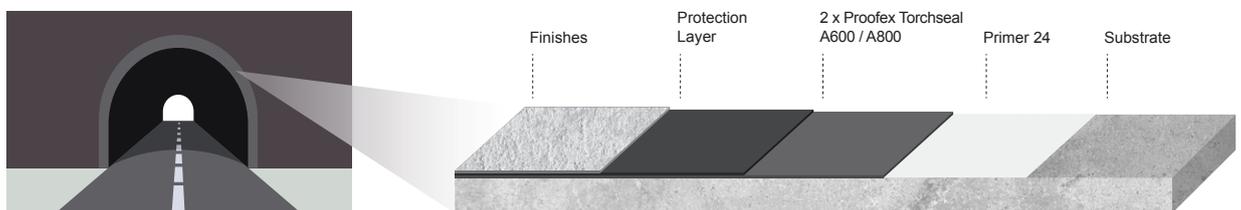


Note: use of a slip sheet and Proofex Sheetdrain 81 are recommended.

## Bridge Decks



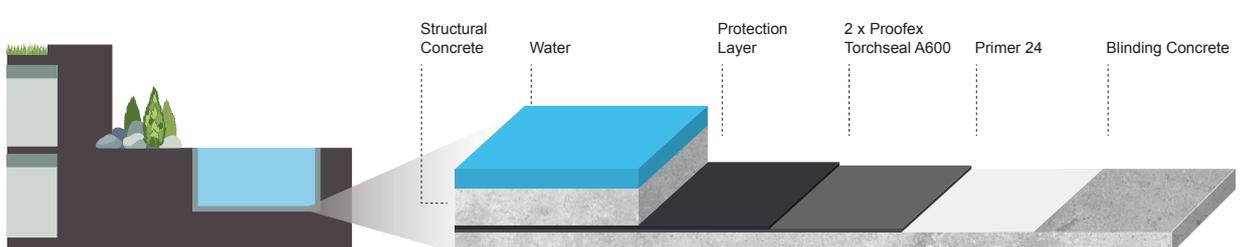
## Tunnel Roofs



Note: use of a slip sheet is recommended.

## Below Ground, including Water Containment\* & Underground Carparks

\*not potable water approved



Note: use of a slip sheet and Proofex Sheetdrain 81 are recommended before backfilling.

# Torch Applied Waterproofing Product Guide

	Proofex® Torchseal® A300	Proofex® Torchseal® A350		Proofex® Torchseal® A400	Proofex® Torchseal® A500	Proofex® Torchseal® A600
<b>Description</b>	Polyester fabric backed base sheet for heat sensitive substrates in multi-layer torch-on membrane systems.	Self-adhesive base sheet for heat sensitive substrates in multilayered torch on membrane systems.		Perforated reinforced base sheet for connecting layers in waterproofing semi-adhesive systems.	3.5mm thick, reinforced elastoplastomeric polymer – bitumen waterproofing membrane.	3mm thick, reinforced elastoplastomeric polymer – bitumen waterproofing membrane.
<b>Type</b>	Specialised first layer	Specialised first layer		Specialised first layer	Base layer	Base layer
<b>Typical uses</b>	For heat sensitive substrates such as timber, thermal insulation or old failed membranes.	For use over heat sensitive substrates such as thermal insulation, timber, metals, plastics, rigid PVC and old failed liquid applied membranes.		For spot bonding torch applied bituminous membranes over substrates with relatively high humidity.	Foundations, basements, tunnels, terraces and roofs as a single layer, or, as part of a multi-layer system.	Foundations, basements and tunnels, particularly as the base layer of multi-layer systems.
<b>General advantages</b>	Various methods of attachment - Mechanically fastened - Fully or part adhered with adhesive - Hot asphalt roll & pour method.	Self adhesive - direct lay without using nails or glue.		The finish layer is more resistant to the wind and temperature variations than with other spot bonded methods.	Handles ponding and permanently wet conditions.	Handles ponding and permanently wet conditions.
<b>Colour</b>	Black	Black		Black	Black	Black
<b>Reinforcement type</b>	Non-woven polyester	Non-woven polyester with adhesive		Fibreglass	Non-woven polyester	Non-woven polyester with a continuous filament placed in the thickness of the membrane
<b>Thickness (EN 1849/1)</b>	N/A	3mm		N/A	3.5mm	3mm
<b>Mass</b>	1.8kg / m <sup>2</sup>	N/A		1kg / m <sup>2</sup>	N/A	N/A
<b>Flow resistance at elevated temperature (EN 1110)</b>	≥ 120°C	≥ 100°C		≥ 120°C	≥ 120°C	≥ 120°C
<b>Flexibility at low temperature (EN1109)</b>	-10°C	-15°C		N/A	-5°C	-10°C
<b>Tensile strength (EN 12311-1)</b> <b>Longitudinal</b> <b>Transverse</b>	650 N/50 mm 500 N/50 mm	450 N/50 mm 350 N/50 mm		N/A	450 N/50 mm 350 N/50 mm	700 N/50mm 450 N/50mm
<b>Tensile elongation (EN12311-1)</b> <b>Longitudinal</b> <b>Transverse</b>	45% 45%	40% 45%		N/A	40% 40%	40% 45%
<b>Dimensional stability (EN1107-1)</b>	≤0.5%	≤0.2%		N/A	≤0.25%	≤0.25%
<b>Resistance to tearing (EN12310-1)</b> <b>Longitudinal</b> <b>Transverse</b>	160 N 180 N	150 N 150 N		N/A	150 N 160 N	150 N 160 N
<b>Impermeability to water (EN1928 B method)</b>	≥ 60 kPa	>60 kPa		N/A	≥ 60 kPa	≥ 60 kPa
<b>Resistance to root penetration (EN13948)</b>	N/A	N/A		N/A	N/A	N/A
<b>Size</b>	1m wide x 20m roll	1m wide x 10m roll		1m wide x 30m roll	1m wide x 10m roll	1m wide x 10m roll
<b>Coverage (approx.)*</b>	19m <sup>2</sup> / 20m roll	9m <sup>2</sup> / 10m roll		28m <sup>2</sup> / 30m roll	9m <sup>2</sup> / 10m roll	9m <sup>2</sup> / 10m roll
<b>Codes</b>	FC007010-UNIT	FC007009-UNIT		FC007011-UNIT	FC007012-UNIT	FC007013-UNIT
<b>Primer (depends on surface porosity)</b>	No primer required	Fosroc Primer 24		Fosroc Primer 24	Fosroc Primer 24	Fosroc Primer 24

\*Allows for overlaps

Please always refer to the product TDS before making your final selection or speak to your Fosroc representative.

# Torch Applied Waterproofing Product Guide (Cont)

	Proofex® Torchseal® A800	Proofex® Torchseal® A700		Proofex® Torchseal® A900	Proofex® Torchseal® A625	Proofex® Torchseal® A825
<b>Description</b>	4mm thick, reinforced elastoplastomeric polymer – bitumen waterproofing membrane.	4.5mm thick polymer-bitumen waterproofing membrane that creates a continuous root barrier.		5mm thick, reinforced elastoplastomeric polymer – bitumen bridge deck waterproofing membrane.	4.5mm thick, mineral finish, reinforced polymer – bitumen waterproofing membrane.	4.5kg/m <sup>2</sup> , mineral finish, reinforced polymer – bitumen waterproofing membrane.
<b>Type</b>	Base layer	Anti-root layer		Bridge deck	Exposed top layer	Exposed top layer
<b>Typical uses</b>	Foundations, basements and tunnels.	For waterproofing systems in contact with the ground or where there is a risk of the system being attacked by roots, such as roof gardens, foundations, underground structures, tunnels and gravel covered roofs.		Bridge decks and viaducts, roads, carparks, foundations, earthquake-proof foundations, subways and tunnels.	Roofs and other UV exposed areas as a single layer, or, as part of a multi-layer system.	Roofs and other UV exposed areas as a single layer, or, as part of a multi-layer system.
<b>General advantages</b>	Handles ponding and permanently wet conditions. Good puncture and joint cut resistance.	Creates a root barrier.		High resistance to puncture, high mechanical resistance and good joint cut resistance.	Mineral finish provides long term UV resistance.	Mineral finish provides long term UV resistance.
<b>Colour</b>	Black	Black		Black	Black	Natural grey slate
<b>Reinforcement type</b>	Non-woven polyester with a continuous filament placed in the thickness of the membrane	Rot-proof single strand non-woven polyester fabric		Non-woven polyester	Non-woven polyester with a continuous filament placed in the thickness of the membrane	Non-woven polyester with a continuous filament placed in the thickness of the membrane
<b>Thickness (EN 1849/1)</b>	4mm	4.5mm		5mm	4.5mm	N/A
<b>Mass</b>	N/A	N/A		250g / m <sup>2</sup>	N/A	4.5kg / m <sup>2</sup>
<b>Flow resistance at elevated temperature (EN 1110)</b>	≥ 120°C	≥ 120°C		≥140°C	≥120°C	≥ 120°C
<b>Flexibility at low temperature (EN1109)</b>	-15°C	-10°C		-15°C	-10°C	-15°C
<b>Tensile strength (EN 12311-1)</b>						
<b>Longitudinal</b>	700 N/50mm	600 N/50mm		1100 N/50mm	700 N/50mm	700 N/50mm
<b>Transverse</b>	600 N/50mm	500 N/50mm		950 N/50mm	450 N/50mm	600 N/50mm
<b>Tensile elongation (EN12311-1)</b>						
<b>Longitudinal</b>	45%	30%		40%	40%	45%
<b>Transverse</b>	45%	30%		40%	45%	45%
<b>Dimensional stability (EN1107-1)</b>	≤ 0.5%	≤0.3%		≤ 0.5%	≤ 0.25%	≤ 0.5%
<b>Resistance to tearing (EN12310-1)</b>						
<b>Longitudinal</b>	150 N	150 N		200 N	150 N	150 N
<b>Transverse</b>	160 N	160 N		200 N	160 N	160 N
<b>Impermeability to water (EN1928 B method)</b>	≥ 60 kPa	≥ 60 kPa		≥500 kPa	≥ 60 kPa	≥ 60 kPa
<b>Resistance to root penetration (EN13948)</b>	N/A	Pass		N/A	N/A	N/A
<b>Size</b>	1m wide x 10m roll	1m wide x 10m roll		1m wide x 10m roll	1m wide x 10m roll	1m wide x 10m roll
<b>Coverage (approx.)*</b>	9m <sup>2</sup> / 10m roll	9m <sup>2</sup> / 10m roll		9m <sup>2</sup> / 10m roll	9m <sup>2</sup> / 10m roll	9m <sup>2</sup> / 10m roll
<b>Codes</b>	FC007016-UNIT	FC007015-UNIT		FC007018-UNIT	FC007014-UNIT	FC007017-UNIT
<b>Primer (depends on surface porosity)</b>	Fosroc Primer 24	Fosroc Primer 24		Fosroc Primer 24	Fosroc Primer 24	Fosroc Primer 24

\*Allows for overlaps

Please always refer to the product TDS before making your final selection or speak to your Fosroc representative.

# Waterproofing Ancillary Products

## Primer 24



Fosroc Primer 24 is used prior to the application of Torchseal membranes to reduce the porosity of concrete substrates and aid adhesion of the membrane.

PRODUCT CODE	DESCRIPTION	SIZE	QTY PER PALLET
FC020500-4L	PRIMER 24 4L	4L	108
FC020500-20L	PRIMER 24 20L	20L	32

## Proofex Torchseal Pressure Seal Flashing



Aluminium strips for sealing and flashing the edge of waterproofing membranes.

PRODUCT CODE	DESCRIPTION	SIZE
FC007019-UNIT	PROOFEX TORCHSEAL PRESSURE SEAL FLASH	3M X 45MM X 2MM

## Backfill Applications

Where the membrane is to be back filled, such as basement applications, Proofex Torchseal A500 should be protected from mechanical damage with Proofex Sheetdrain 81 drainage protection system or Proofex Protection Board PP.

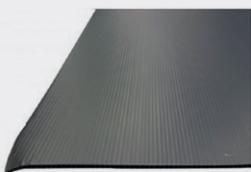
## Proofex Sheetdrain 81 (previously known as Emer-Proof Drain V)



High-density polyethylene (HDPE) dimpled drainage membrane used for the protection and drainage of waterproofing membranes used on foundations which are subsequently backfilled.

PRODUCT CODE	DESCRIPTION	SIZE
FC043073-UNIT	PROOFEX SHEETDRAIN 81	2M X 20M ROLL

## Proofex Protection Board PP



3mm thick polypropylene, impact resistant membrane protection board designed to give impact, puncture and damage resistance to membrane systems.

PRODUCT CODE	DESCRIPTION	SIZE
FC071079-UNIT	PROOFEX PROTECTION BOARD PP	1.83M X 1.2M ROLL

Please always refer to the product TDS before making your final selection or speak to your Fosroc representative.

	Liquid membranes	Sheet membranes	
	Hand or spray applied	Self adhesive	Torch applied
<b>General Technology Advantage</b>	<ul style="list-style-type: none"> <li>• Not limited to size or shape of substrate/surface</li> <li>• No separate sealing of seams/edges</li> <li>• Best suited to smaller and intricate work</li> </ul>	<ul style="list-style-type: none"> <li>• Cold applied</li> <li>• QA assured thickness</li> <li>• Fully bonded overlaps</li> <li>• Best for retaining walls and bridge decks under asphalt</li> </ul>	<ul style="list-style-type: none"> <li>• Bonded with heat to produce an extremely strong bond</li> <li>• Bonded directly to the substrate</li> <li>• Cut to any size or shape</li> <li>• Assured thickness</li> <li>• Good for highly exposed areas such as large, open situations</li> <li>• Perfect for low angled roofs which may have pooling water – or are fully submerged eg. tanks/underground</li> </ul>
<b>General Technology Limitations</b>	<ul style="list-style-type: none"> <li>• Can be prone to leakage from uneven application</li> <li>• Need to apply several coats</li> </ul>	<ul style="list-style-type: none"> <li>• Require protection boards</li> <li>• Must correctly seal seams</li> <li>• Must cut to fit exactly</li> <li>• Must use skilled installers</li> </ul>	<ul style="list-style-type: none"> <li>• Must correctly seal seams</li> <li>• Must cut to fit exactly</li> <li>• Must use skilled installers</li> </ul>



# FUTURE PROOF

## WITH FOSROC WATERPROOFING



*constructive solutions*

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**Parchem Construction Supplies Pty Ltd** 1956 Dandenong Rd, Clayton VIC AUS 3168  
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