

# WATERPROOFING BOOKLET

System, Technology and History of Liquimix Waterproofing membranes



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# WATERPROOFING MEMBRANES

The LiquiMix range of waterproofing membrane systems and spray coating solutions include RoofProof, Hybron-H90 and Elaston-W80.

These systems are designed for specific applications and come with unique characteristics and properties.

Our primary focus is on spray-on materials for commercial waterproofing and protective coatings. However, we found a need for roll-on membranes and so, developed a great aliphatic polyurethane system that can also be hand-applied without the need for advanced spray equipment.

Liquimix Waterproofing systems have been used successfully throughout Australia and New Zealand in the last 20 years.



## ELASTON-W80

- WATERPROOF GRADE PURE POLYUREA
- ENVIRONMENTALLY FRIENDLY



AS4858 Approved  
UV Stable  
Pure Polyurea  
Made Under ISO9001

## HYBRON-H90

- EXTREMELY DURABLE HYBRID
- WATERPROOFING HYBRID POLYUREA



Hybrid System  
Extended Recoat Window  
Affordable Spray applied  
Made Under ISO9001

## ROOFPROOF

- MODIFIED-POLYURETHANE MEMBRANE
- SINGLE COMPONENT



AS4858 Approved  
Colourfast Aliphatic  
Easy Roll-on Application  
Made Under ISO9001

# ELASTON-W80

## WATERPROOFING GRADE PURE POLYUREA,

ENVIRONMENTALLY FRIENDLY



Elaston-W80 waterproofing polyurea is tougher than any waterproofing membrane on the market. It can be applied to vertical surfaces without dripping or running and is highly elastic with over 400% elongation. This elongation allows it to stretch to accommodate movement in the substrate without splitting or cracking.

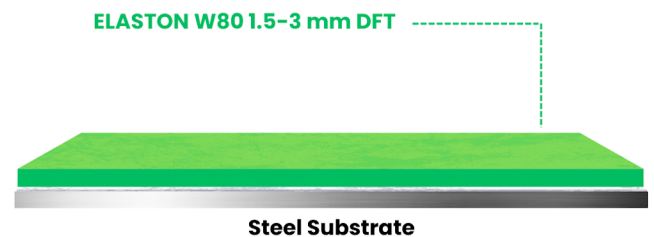
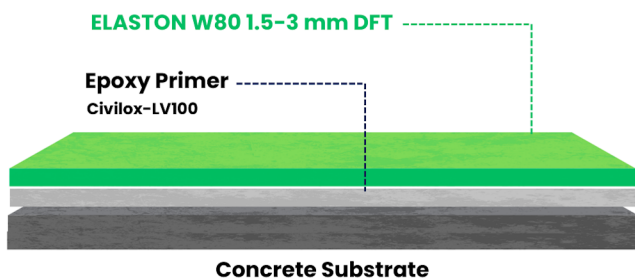
### APPLICATIONS:

- ROOF TOPS
- PLANTER BOXES
- RETAINING WALLS
- EXTENDED BALCONIES
- BASEMENTS

### FEATURES:

- APPROVED FOR USE WITH POTABLE WATER AS4020
- Certified AS4858 WATERPROOFING MEMBRANE FOR EXTERNAL USE
- FORMS A THICK FILM, SEAMLESS LINING WITHIN SECONDS
- BRIDGES HAIRLINE CONCRETE CRACKS
- PERMANENTLY ELASTOMERIC
- NO CATALYST - PURE POLYUREA.
- MORE SUITABLE THAN COMMONLY USED HYBRIDS FOR APPLICATIONS IN DAMP AND HUMID ENVIRONMENTS AND EXCELLENT FOR PERMANENT IMMERSION

## STANDARD SYSTEM



# HYBRON-H90

## EXTREMELY DURABLE WATERPROOFING COATING HYBRID POLYUREA

Hybron-H90 is a two-component, fast-cure, hybrid polyurea. It is tough, elastomeric, and best suited for concrete rooftops. It is suitable for most waterproofing applications due to its superior quality and an extended recoat window.

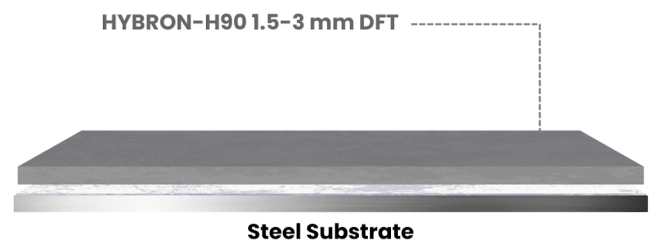
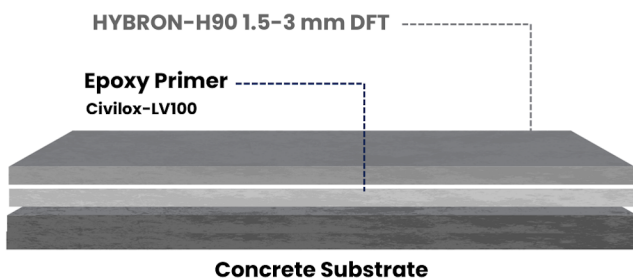
### APPLICATIONS:

- CAR PARKS
- ROOFTOPS
- BALCONIES
- BASEMENTS
- ALUMINIUM, ZINCALUME AND COLORBOND

### FEATURES:

- FORMS A THICK FILM, SEAMLESS LINING
- BRIDGES HAIRLINE CONCRETE CRACKS
- EARLY CURE STRENGTH ALLOWS APPLICATION TO SUBSTRATE THAT WILL HAVE MOVEMENT SHORTLY AFTER APPLICATION
- PERMANENTLY ELASTOMERIC
- EXTENDED RECOAT WINDOW FOR TOPCOATS

## STANDARD SYSTEM



# ROOFROOF

## HYBRID POLYURETHANE, WATERPROOFING MEMBRANE, SINGLE-COMPONENT

ENVIRONMENTALLY FRIENDLY



ROOFProof is a single-component, water-based waterproofing membrane with high elasticity, durability and flexibility. Passes all AS/NZS 4858-2004 class III requirements for exterior waterproofing.

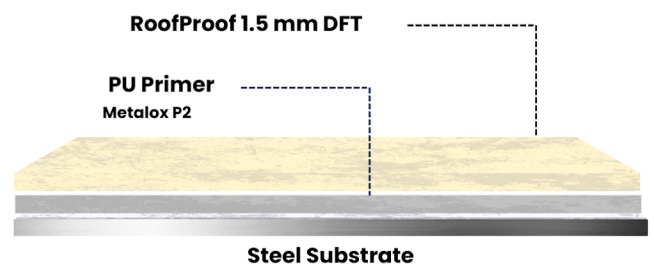
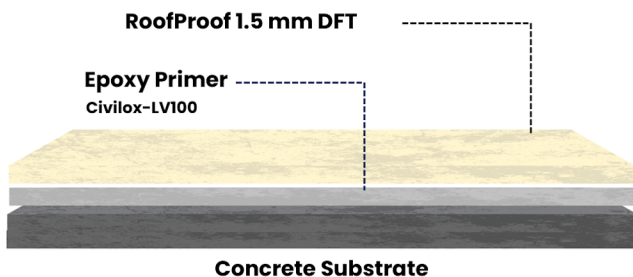
### APPLICATIONS:

- EXTERNAL WET AREAS
- INDUSTRIAL KITCHENS
- ROOFS
- BALCONIES
- RETAINING WALLS
- BASEMENTS

### FEATURES:

- ONE PACK ROLL-ON APPLICATION
- FORMS A THICK FILM, SEAMLESS LINING
- BRIDGES HAIRLINE CONCRETE CRACKS
- PERMANENTLY ELASTOMERIC AND COLOURFAST
- SMOOTH AND SEAMLESS EASY-CLEAN LINING
- WATER-BASED - ENVIRONMENTALLY FRIENDLY

### STANDARD SYSTEM



# Protecting Australia's Assets **Since 1993**

## ABOUT US

For 30 years, our team of industrial chemists have been developing and delivering unique protective coating and construction chemical systems. Under strong leadership, we empower our team to understand quality, systems, commitment and delivery.

## RESEARCH AND DEVELOPMENT

Our team of highly experienced chemists conduct continuous research in the laboratory and in the field, in order to deliver novel systems to meet the changing demands of construction chemicals in civil, mining, transport, construction and marine industries.

## MANUFACTURING

ISO 9001 is at the heart of our manufacturing process. We make all our products right here in Australia and in partnership with some of the largest chemical suppliers in the world. Our aim is to provide lasting solutions that meet Australian standards and make the applicators life easier.

## CONTACT US

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## SPECIFICATION

We offer a complimentary specification service to help with the tender process. Our project managers, technical support team and chemists have extensive experience specifying protective coating systems for asset remediation and life extension.

## TRAINING & TECHNICAL SUPPORT

With dedicated training facilities in Brisbane containing a spray booth and a conference hall, LiquiMix provides comprehensive training programs for all of its coating systems as well as Graco Reactor plural spray equipment. We also offer training programs on substrate preparation, priming and QC processes. Training programs come complete with workbooks and access to the LiquiMix online knowledge centre.



# Why Liquimix

## System , Product , Equipment & Technical support all in one place...

Liquimix is a one-stop shop for commercial waterproofers that look after Australian assets and major infrastructures. We developed and designed our business around the applicators' needs to ensure we have everything covered throughout the process.

*From identification to specification to implementation of a solution.  
We will be with you every step of the way!*

### A few more facts about Liquimix,

- We are an Australian-owned manufacturer and distributor.
- All our product standards and certifications are obtained here in Australia using Australian bodies and organisations.
- We are an ISO9001-certified company with robust QA/QC processes to ensure no product errors and failures.
- We are one of the largest Graco distributors in the Southern Hemisphere for Plural pumps and Reactor ranges.
- We have the largest and most advanced training and workshop facilities for Polyurea coating, application and Graco equipment in Australia.
- We hire Chemists, project managers, civil engineers and NACE III inspectors to ensure we have a balanced combination of chemical and construction knowledge within our organisation to help applicators.
- With delivery depots in most major cities in Australia. We can ship overnight for most stock items.
- And most importantly, we are a local business. We understand the challenges of the local industry.

With years of hands-on application experience, we can offer onsite technical support to ensure that applicators are not alone when facing an issue.

**That is what sets us apart from other manufacturers.**



# Our product History at a glance...

Only the major projects all around Australia...

Client	Asset	State	System	Area	Date
Mackay CC	Digester Tanks	QLD	Line Digester tanks with <b>Elaston-W80</b>	490	2006
Burke Shire Council	Water Treatment Plant	QLD	Lining 2 sand filters and 2 clarifiers with <b>Elaston-W80</b>	200	2006
Sydney Water	Chlorine Contact Tank	NSW	All walls & roof support columns with <b>Elaston-W80</b>	1,000	2007
Jondaryan Shire Council	Lining Inside of drinking water reservoir for Oakey Township	QLD	Line entire inside of concrete tank with <b>Elaston-W80</b> to prevent leaks that had persisted for many years	800	2007
Darwin Power and Water	McMinns Water Storage Reservoir for Potable Water	NT	Seal all joints using Aralox-GP primer and <b>Elaston-W80</b> (natural) potable water certified	572LM	2008
Logan City Council	Line inside of Alfred St, Pump Station	QLD	Line entire inside of major sewage pump station 8.5m diam. x 26m deep with <b>Elaston-W80</b> in a cream coloured finish	750	2008
Perth Water Corporation	Woodman Point Wastewater Treatment Plant	WA	Line various areas with <b>Elaston-W80</b>	1250	2008
Hunter Water	Bonny Hills Sewerage Treatment Plant Upgrade	NSW	Lining with <b>Elaston-W80</b> of all major assets that come into contact with raw sewage	1200	2009
Southern Downs Regional Council	Lining of Concrete channels in Weir Clarification Plant and chemical bunds	QLD	All concrete channels were blasted clean and epoxy primed. Then coated with <b>Elaston-W80</b> to 3mm DFT	65	2009
Southern Downs Regional Council	STP surface renovation and lining	QLD	Line Weir channels and V-notch plates of both Clarifiers using <b>Elaston-W80</b>	242	2009

# Our product History at a glance...

Only the major projects all around Australia...

Client	Asset	State	System	Area	Date
Gold Coast Water	Burleigh Water Reservoir BU3	QLD	Repair and line inside of Concrete water Reservoir. Aralox primer and <b>Tufflon-P90</b>	2000	2010
Power and Water	Manholes and Wet Wells	NT	Prepare and line dozens of new concrete manholes and wet wells with <b>Elaston-W80</b>	1000	2011
Barwon Water	Various Sewerage Assets	VIC	Prepare concrete surfaces, apply Aralox primer then <b>Tufflon-P90</b>	500	2011
Barwon Water	Open Channel Reconstruction Wurdee Boluc with Geofabric and Tufflon-P90	VIC	Install and fix Dux56c Geofabric to concrete surface of channel and then apply 3mm thickness <b>Tufflon-P90</b>	8000	2012
Dept of sustainability & environment	Aquarium water storage concrete tank	VIC	Prepare inside of old concrete tank. Aralox render and <b>Tufflon-P90</b> to 3mm. Disinfect with Sodium Hypo	240	2012
Power and Water	Remediation of SX Squatter tank	NT	Panel tank both walls and floor. Remove faulty Polyshield HT and replace with 3mm <b>Tufflon-P90</b>	523	2013
Power and Water	Sewerage Treatment Plant, pump Stations, Pits, Wells	NT	Abrasive blast inside concrete. Render Aralox. Apply <b>Tufflon-P90 3mm</b>	220	2012
Power and Water	Remediation of SX Squatter tank	NT	Panel tank both walls and floor. Remove faulty Polyshield HT and replace with 3mm <b>Tufflon-P90</b>	671	2013
Power and Water	Remediation of 2 elevated SX tanks	NT	Panel tank both walls and floor. Remove faulty Polyshield HT and replace with 3, <b>Tufflon-P90</b>	95&50	2014
SEQ Water	Wellers Hill Water Reservoir	QLD	Waterproof external concrete panel roof joints using <b>Elaston-W80</b> and bridging method	1,900LM	2015

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Client	Asset	State	System	Area	Date
SEQ Water	Wellers Hill Water Reservoir	QLD	Waterproof internal concrete floor joints using <b>Tufflon-P90</b> and bridging method	1,900LM	2015
SEQ Water	Wellers Hill Water Reservoir	QLD	Waterproof internal vertical concrete panel joints using <b>Tufflon-P90</b> and bridging method	400LM	2015
Gold Coast City Council	Line inside 3x Concrete Water Reservoirs	QLD	Remove old failed epoxy coatings and replace with <b>Tufflon-P90</b>	240	2015
SEQ Water	Wellers Hill Water Reservoir	QLD	All rooftop joints with <b>Elaston-W80</b> and all internal joints with <b>Tufflon-P90</b>	5,600LM	2015
SEQ Water	Wellers Hill Drinking Water Reservoir	QLD	Full rooftop lining of Wellers Hill 2	10,000	2016
Barwon Water	Open channel lining	VIC	Geofabric pinned to concrete channel and then coated with <b>Elaston-W80</b> @ 3mm DFT	5,000	2016
Cairns Regional Council	Babinda Water Reservoir	QLD	Full internal reline walls, floor and columns using Civiox and <b>Tufflon-P90</b>	2,000	2016
Glen Innes Severn Council	Glen Innes Water Treatment Plant	NSW	Civiox primer with Renderfill and <b>Elaston-W80</b> @ 3mm DFT	1,000	2017
SEQ Water	Yarrabilba Sewage Overflow Tank	QLD	Civiox Primer with <b>Tufflon-P90</b> @ 3mm DFT	2,000	2017
Unity Water	Kawana STP upgrade	QLD	Civiox primer, <b>Tufflon-P80</b> @ 3mm DFT	10,000	2018
SEQ Water	Multiple Water Reservoir Upgrades	QLD	Civiox primer, <b>Tufflon-P90</b> @ 3mm DFT	12,000	2018

More available upon request...