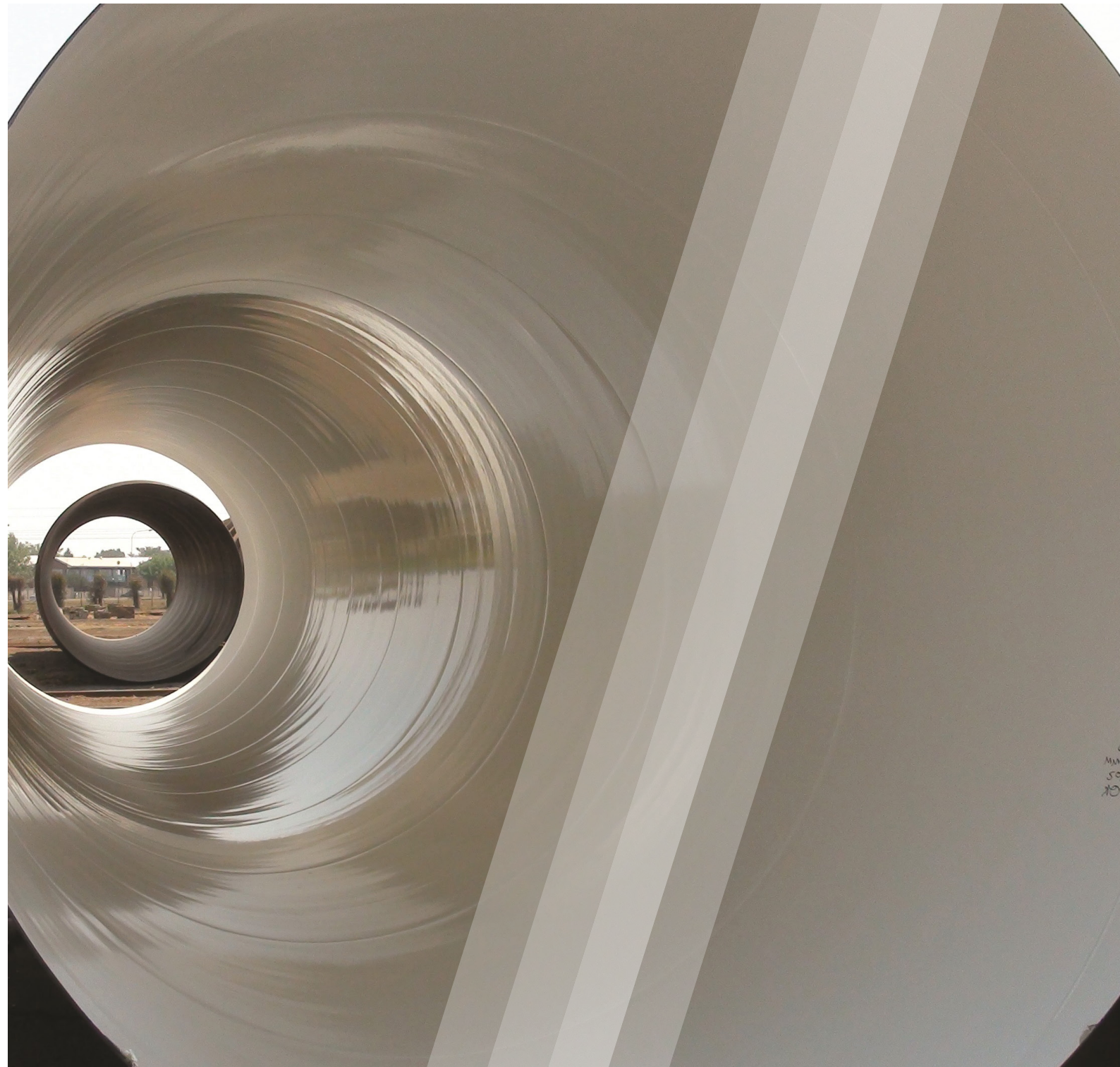




irathane*futura*



PROTECTIVE COATINGS



IRATHANE FUTURA

At **Irathane Futura** we have established an outstanding worldwide reputation for developing, manufacturing and distributing high performance polyurethane and polyurea coatings, elastomers and structural resins. This combination of engineering expertise and high performance products has earned us an outstanding reputation within the following key industrial sectors:

- Potable and Waste Water
- Power Generation
- Mining and Mineral Processing
- Oil and Gas
- Chemicals
- Construction

At **Irathane Futura** our protective coatings are the ideal choice for engineering consultants and plant managers who are seeking expert advice and quality products for long-lasting solutions to:

- Combat abrasion or corrosion
- Protect or seal concrete and brick structures
- Store potable water
- Build secure secondary containment areas
- Protect against chemical attack

With 40 years experience in the international coatings business our product development has culminated in a range of protection systems that are synonymous with quality and high performance. These include:

- Polyurethane Elastomers
- Solvent-free Polyurethane Elastomers
- Fast set Polyurethanes & Polyureas
- Surface Preparation Systems

PROTECTIVE COATINGS

ORIGINAL IRATHANE POLYURETHANE ELASTOMERS

We have produced solvent-based, high abrasion and corrosion resistant polyurethane elastomers since the company's inception. Our reputation for setting quality performance standards, including primer systems for most substrates is second to none. Applied by spray, trowel or brush, our coatings are extremely durable and often outlast the material they protect. They have the elasticity to cater for movement often experienced in concrete structures.

Our range also includes hot processed elastomers specifically designed for the centrifugal lining of pipework and for casting wearresistant parts.

AQUALINE ZERO VOC POLYURETHANE ELASTOMERS

At Irathane Futura, we are the sole source of Aqualine polyurethane coating systems. Aqualine protects concrete and brick containment areas against the ingress or egress of water and a variety of other chemicals. Compatible primers and cementitious preparation products are also available in order to achieve a complete system tailored to each application. Featuring high tensile strength and the elasticity to resist substantial crack growth, these spray, brush, roller or trowel applied products offer a permanent answer for lining both small and large-scale structures.

The range includes products with WRAS Listings in the UK and various other internal approval.

POLYUREA ELASTOMERS

Our spray-applied, fast-curing polyurea elastomers are a highly durable, cost efficient alternative to sheet applied systems for producing waterproof protective membranes and linings. Polyurea products possess excellent physical and weathering properties and are abrasion and corrosion resistant, readily tolerate crack movement and are easily repairable.

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This is not a comprehensive list of our products. If your requirement is not featured please contact our sales team.

ABRASION & EROSION RESISTANT

IRATHANE 155 HS

A two component solvented elastomeric polyurethane/urea formulated for use in severe abrasion conditions.


- Long pot life allows coating of complex components (fans, rotors etc.) and the ability to vary thickness to focus cost effectively on critical areas
- Use of TX55 additive allows wet film build >3mm
- Designed for airless spray application, can be brushed on for areas difficult to access with spray

Kit size	Application	Colour	Product type
10 Litre		Grey	Polyurethane / Urea

IRATHANE 255EP

A two component, solvented trowel applied polyurethane for the severest abrasion applications.


- Excellent abrasion resistance
- Ideal for repairs to PU or rubber components and linings
- Highly elastomeric, with resistance to dilute acids and alkalis

Kit size	Application	Colour	Product type
4 Litre 0.75 Litre		Grey	Polyurethane / Urea

IRATHANE 2855-80

A 100% solids hot-processed polyurethane system specifically developed for centrifugal lining of slurry pipelines.


- Excellent chemical and abrasion resistance to most slurries
- 2:1 ratio quasi-prepolymer system for ease of processing
- Suitable for casting of abrasion resistant components

Kit size	Application	Colour	Product type
75 Litre 600 Litre		Unpigmented	Polyurethane

AQUALINE 300

A 100% solids, two component polyurethane/urea system with abrasion and chemical resistant properties required for internal and external protection of concrete waste water plant.


- Exceptional elongation and crack growth tolerance
- Ambient temperature application and curing
- Microbiological growth resistance

Kit size	Application	Colour	Product type
3.4 Litre 17 Litre		Grey / Black	Polyurethane / Urea

AQUALINE 300 TG

Trowel applied version of Aqualine 300


- VOC Free
- High build in single coat
- Ideal for crack filling or fillet production before or after Aqualine Application

Kit size	Application	Colour	Product type
4 Litre		Black	Polyurethane / Urea

POLYUREA 2000

A 100% solids fast set elastomeric polyurea combining resistance to abrasion and many dilute chemicals.

- Fast set allows cost effective application to large areas
- UK WRAS listed - suitable for use on potable water applications
- Can be used with Irabond primers and adhesives to bond to metal substrates as well as it's normal use on concrete

Kit size	Application	Colour	Product type
400 Litre		Grey	Polyurea



PIPE LINING & PROTECTION

PROTEC

A range of 100% solids fast set, flexible, direct to metal polyurethanes with exceptional performance properties for the internal and external protection of pipes with a variety of approval criteria's.

- Protec I – Standard performance grade
- Protec II – Higher performance grade
- Protec II AM – Contains EPA registered additives for enhanced microbiological growth resistance
- Protec II PW – Certified per ANSI/NSF standard 61 for use as a lining for potable water storage and pipe works

Kit size	Application	Colour	Product type
110 USG (400 Litre)		Various	Polyurethane

PROTECT II DR

A 100% solids, two component cartridge applied Polyurethane, designed to repair small defects and pull off adhesion test areas on Protec II & Protec II PW.

- Certified per ANSI/NSF Standard 61
- Direct to metal – single coat application
- Ambient temperature application and cure

Kit size	Application	Colour	Product type
310 ml		White / Blue / Grey	Polyurethane

PROTECT II GW

A 100% solids, two component hand applied Polyurethane, designed to coat field joints and repair Protec II PW and Protec II PW-ER.

- Certified per ANSI/NSF Standard 61
- Direct to metal – single coat application
- Ambient temperature application and cure

Kit size	Application	Colour	Product type
1 USG (3.78 Litre)		White / Blue / Grey	Polyurethane

IRATHANE 2855-80

A 100% solid, hot-processed polyurethane elastomer system, specifically developed for centrifugal lining of slurry pipelines.

- Excellent chemical and abrasion resistance to most slurries
- 2:1 quasi-pre polymer system for ease of processing
- Suitable for production of cast abrasion resistant components
- Long proven track record in severe abrasion condition

Kit size	Application	Colour	Product type
75 Litre 600 Litre		Unpig- ment	Polyurethane

POTABLE WATER

AQUALINE 400

100% solids, two component polyurethane/urea specifically designed for use as an external water proofing membrane for potable water containing structures.

- Exceptional elongation accommodating significant crack growth
- UK WRAS listed
- Optional gritted system produces an aesthetic and non-slip finish
- Manual application permits use in difficult to access sites

Kit size	Application	Colour	Product type
17 Litre		Grey / Black	Polyurethane / Urea

PROTEC II PW

A 100% solids, two component flexible urethane for lining steel potable water tanks and pipe work providing a tough slick surface.

- Certified per ANSI/NSF Standard 61
- Direct to metal application – no priming required
- Excellent adhesion and impact resistance

Kit size	Application	Colour	Product type
110 USG (416 Litre)		White	Polyurethane

POLYUREA 2000

Fast set, 100% solids polyurea external waterproofing membrane for potable water structures.

- Exceptional elongation accommodating significant crack growth
- UK WRAS listed
- Plural spray application facilitates the coating of large surface areas in a short time
- Compatible with Aqualine 400 for difficult to access areas, repairs and non-slip pathways

Kit size	Application	Colour	Product type
400 Litre		Grey	Polyurea

PROTECT II GW

A 100% solids, two component hand applied Polyurethane, designed to coat field joints and repair Protec II PW and Protec II PW-ER.

- Certified per ANSI/NSF Standard 61
- Direct to metal - single coat application
- Ambient temperature application and cure

Kit size	Application	Colour	Product type
1 USG (3.78 Litre)		White / Blue / Grey	Polyurethane

IRABOND CR 94

Cementitious waterproofing compound can be used as a faring or levelling coat on concrete or masonry prior to the application of either Aqualine or Polyurea.

- Resists ground water back pressure for in-ground structures
- UK Secretary of State for the Environment (DWI) approved
- Can be used on its own to waterproof stable concrete substrates

Kit size	Application	Colour	Product type
25 kg		Grey	Cementitious

PROTECT II DR

A 100% solids, two component cartridge applied Polyurethane, designed to repair small defects and pull off adhesion test areas on Protec II & Protec II PW.

- Certified per ANSI/NSF Standard 61
- Direct to metal – single coat application
- Ambient temperature application and cure

Kit size	Application	Colour	Product type
310 ml coaxial twin cartridge		White / Blue / Grey	Polyurethane





PRIMARY CONTAINMENT

IRATHANE155 HS

A two component solvented elastomeric polyurethane/urea formulated for use in severe abrasion conditions.

- Long pot life allows coating of complex components (fans, rotors etc.) and the ability to vary thickness to focus cost effectively on critical areas
- Use of TX55 additive allows wet film build >3mm
- Designed for airless spray application, can be brushed on for areas difficult to access with spray

Kit size	Application	Colour	Product type
10 Litre		Grey	Polyurethane / Urea

PROTEC

A range of direct to metal, fast set, polyurethane with excellent adhesive, chemical and impact resistant properties.

- Protec I – Standard performance grade
- Protec II – Higher performance grade
- Protec II AM – Contains EPA registered additives for enhanced microbiological growth resistance
- Protec II PW – Certified per ANSI/NSF standard 61 for use as a lining for potable water storage and pipe works

Kit size	Application	Colour	Product type
400 Litre 110 USG		Grey / Blue / White	Polyurethane

AQUALINE 300 - 300TG - 400

A range of 100% solids polyurethane/urea systems for lining concrete structures requiring a variety of approvals.

- Aqualine 300 and 300 Trowel Grade (TG) for lining waste, sea-water and other non-potable water containing structures
- Aqualine 400 for lining of potable water structures requiring WRAS listed and other similar level national approvals

Kit size (300)	Application	Colour	Product type
3.4 Litre 17 Litre		Grey / Black	Polyurethane / Urea

Kit size (300TG)	Application	Colour	Product type
4 Litre		Black	Polyurethane / Urea

Kit size (400)	Application	Colour	Product type
3.4 Litre 17 Litre		Grey / Black	Polyurethane / Urea

GEOHANE 5020

A 100% solids, fast set polyurethane with excellent combined dilute chemical and oil resistance.

- Can be applied to concrete or onto geotextile to produce seam free liners for firewater and similar contaminated water containment
- Fast set time controlled to allow bonding of sections of geotextile to ensure leak free joints
- Excellent diesel and oil/water mix resistance

Kit size	Application	Colour	Product type
400 Litre		Beige	Polyurethane

POLYUREA 2000

Fast set elastomeric polyurea system with combined dilute chemical and abrasion resistance ideal for large areas or where minimal downtime is available.

- 1:1 mix ratio
- Exceptional elongation and crack growth accommodation
- Compatible with Aqualine for repair and areas difficult to access by spray


Kit size	Application	Colour	Product type
400 Litre 110 USG		Grey	Polyurea

SEA WATER

IRATHANE 155HS

A two component solvented elastomeric polyurethane/urea formulated for use in severe abrasion conditions.


- Long pot life allows coating of complex components (fans, rotors etc.) and the ability to vary thickness to focus cost effectively on critical areas
- Use of TX55 additive allows wet film build >3mm
- Designed for airless spray application, can be brushed on for areas difficult to access with spray

Kit size	Application	Colour	Product type
10 Litre		Grey	Polyurethane / Urea

AQUALINE 300 TG

Trowel applied version of Aqualine 300.


- High build in a single coat
- Fills joints and produces fillets prior to or after application of Aqualine 300

Kit size	Application	Colour	Product type
4 Litre		Black	Polyurethane / Urea

PROTEC II

A 100% solids, two component, fast set urethane for direct to metal application.


- Outstanding sea water and low temperature impact resistance
- One coat application direct to metal
- Slick abrasion resistant finish

Kit size	Application	Colour	Product type
110 USG (416 Litre)		Grey	Polyurethane

IRATHANE 255EP

A two component, solvented trowel applied polyurethane for the severest abrasion applications.


- Excellent abrasion resistance
- Ideal for repairs to PU or rubber components and linings
- Highly elastomeric, with resistance to dilute acids and alkalis

Kit size	Application	Colour	Product type
4 Litre / 0.75 Litre		Grey	Polyurethane / Urea

AQUALINE 300

A 100% solids, two component polyurethane/urea system for lining concrete structures.

- Exceptional elongation and crack growth accommodation
- Produces seamless fully bonded lining
- Resists sea water and dilute acid and alkalis
- Good abrasion resistance


Kit size	Application	Colour	Product type
3.7 Litre / 17 Litre		Grey / Black	Polyurethane / Urea

SECONDARY CONTAINMENT

GEOETHANE 5020

A 100% solids fast set elastomeric polyurethane for production of fully bonded seamless lining to concrete bunds. It can also be applied onto geotextiles for production of seamless loose membranes where existing surface is unstable, too contaminated to bond or in earth bunds.


- Excellent resistance to diesel and oil/water mixes
- Cure characteristics ideally suited to bonding geotextile to ensure leak free joints prior to over coating
- 1:1 mix ratio

Kit size	Application	Colour	Product type
110 USG (416 Litre)		Beige	Polyurethane

POLYUREA 2000

Fast set elastomeric polyurea system with combined dilute chemical and abrasion resistance ideal for large areas or where minimal downtime is available.


- 1:1 mix ratio
- Exceptional elongation and crack growth accommodation
- Compatible with Aqualine for repair and areas difficult to access by spray

Kit size	Application	Colour	Product type
400 Litre		Grey	Polyurea

AQUALINE 300

A 100% solids, two component polyurethane/urea system specifically formulated to produce seamless, fully bonded membranes in concrete bunds.

- Exceptional elongation and crack growth accommodation
- Resists moderate concentration of acids and alkalis
- Trowel grade available for joints and producing fillets prior to or after lining

Kit size	Application	Colour	Product type
3.4 Litre / 17 Litre		Grey / Black	Polyurethane / Urea




WATERPROOFING

POLYUREA 2000

A 100% solids, fast set polyurea waterproofing membrane for concrete structures or production of loose membrane by application to geotextile.

- Exceptional elongation accommodating significant crack growth
- Ideal landfill capping waterproofing membrane when applied to geotextile
- UK WRAS listed for use as waterproofing membrane in potable water structures
- Compatible with Aqualine grades for difficult to access areas, repairs and non-slip pathways

Kit size	Application	Colour	Product type
400 Litre		Grey	Polyurea

IRABOND CR 94

Cementitious waterproofing compound can be used as a faring or levelling coat on concrete or masonry prior to the application of either Aqualine or Polyurea.


- Resists ground water back pressure for in-ground structures
- UK Secretary of State for the Environment (DWI) approved
- Can be used on its own to waterproof stable concrete substrates e.g. potable water structures, basements etc.


Kit size	Application	Colour	Product type
25 kg		Grey	Cementitious


AQUALINE 300 - 300TG - 400

A range of 100% solids polyurethane/urea systems for lining concrete structures requiring a variety of approvals.

- Aqualine 300 and 300 Trowel Grade (TG) for lining waste, sea-water and other non-potable water containing structures
- Aqualine 400 for lining of potable water structures requiring WRAS listed and other similar level national approvals

Kit size (300)	Application	Colour	Product type
3.4 Litre 17 Litre		Grey / Black	Polyurethane / Urea


Kit size (300TG)	Application	Colour	Product type
4 Litre		Black	Polyurethane / Urea

Kit size (400)	Application	Colour	Product type
3.4 Litre 17 Litre		Grey / Black	Polyurethane / Urea

GEOHANE 5020

A 100% solids fast set elastomeric polyurethane for production of fully bonded seamless lining to concrete bunds. It can also be applied onto geotextiles for production of seamless loose membranes where existing surface is unstable, too contaminated to bond or in earth bunds.

- Excellent resistance to diesel and oil/water mixes
- Cure characteristics ideally suited to bonding geotextile to ensure leak free joints prior to over coating
- 1:1 mix ratio

Kit size	Application	Colour	Product type
400 Litre		Beige	Polyurethane





WASTE WATER

AQUALINE 300

A 100% solids, ambient cure polyurethane/urea system ideally suited to the protection of concrete structures exposed to dilute chemicals such as sewage environments.

- Exceptional elongation and crack growth accommodation
- 300 Trowel Grade available for joint filling and fillet construction
- Resistant to microbiological attack

Kit size	Application	Colour	Product type
3.4 Litre 17 Litre		Grey / Black	Polyurethane / Urea

PROTEC

A range of direct to metal, fast set, polyurethane with excellent adhesive, chemical and impact resistant properties.

- Protec I – Standard performance grade
- Protec II – Higher performance grade
- Protec II AM – Contains EPA registered additives for enhanced microbiological growth resistance reinforcements

Kit size	Application	Colour	Product type
110 USG (400 Litre)		White / Blue / Grey	Polyurethane

POLYUREA 2000

Fast set elastomeric polyurea system with combined dilute chemical and abrasion resistance ideal for large areas or where minimal downtime is available.

- 1:1 mix ratio
- Exceptional elongation and crack growth accommodation
- Compatible with Aqualine for repair and areas difficult to access by spray

Kit size	Application	Colour	Product type
400 Litre		Grey	Polyurea

GEOTHANE 5020

A 100% solids, fast set polyurethane with excellent combined dilute chemical and oil resistance.

- Can be applied to concrete or onto geotextile to produce seam free liners for firewater and similar contaminated water containment.
- Fast set time controlled to allow bonding of sections of geotextile to ensure leak free joints
- Excellent diesel and oil/water mix resistance

Kit size	Application	Colour	Product type
110 USG (400 Litre)		Beige	Polyurethane