Polyurethane 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 wear resistant 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.

HYBRID POLYUREA ELASTOMERS

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

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 brushed on for areas difficult to access with spray

<table>
<thead>
<tr>
<th>Kit size</th>
<th>Application</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 Litre</td>
<td>3.4 Litre</td>
<td>Gray</td>
</tr>
</tbody>
</table>

## 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

<table>
<thead>
<tr>
<th>Kit size</th>
<th>Application</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 Litre</td>
<td>17 Litre</td>
<td>Gray / Black</td>
</tr>
</tbody>
</table>

## 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

<table>
<thead>
<tr>
<th>Kit size</th>
<th>Application</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 Litre</td>
<td>0.75 Litre</td>
<td>Gray</td>
</tr>
</tbody>
</table>

## Aqualine 300 TG

Trowel applied version of Aqualine 300

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

<table>
<thead>
<tr>
<th>Kit size</th>
<th>Application</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 Litre</td>
<td></td>
<td>Black</td>
</tr>
</tbody>
</table>

## Irathane 2855-80

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

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

<table>
<thead>
<tr>
<th>Kit size</th>
<th>Application</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>600 Litre</td>
<td></td>
<td>Unpigmented</td>
</tr>
</tbody>
</table>

## 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

## 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

<table>
<thead>
<tr>
<th>Kit size</th>
<th>Application</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 USG</td>
<td>(3.78 Litre)</td>
<td>White / Blue / Gray</td>
</tr>
</tbody>
</table>

## 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

<table>
<thead>
<tr>
<th>Kit size</th>
<th>Application</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>310 ml</td>
<td></td>
<td>White / Blue / Gray</td>
</tr>
</tbody>
</table>

## Irathane 2855-80

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

<table>
<thead>
<tr>
<th>Kit size</th>
<th>Application</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>310 ml</td>
<td></td>
<td>White / Blue / Gray</td>
</tr>
</tbody>
</table>

## Aqualine 300 TG

A 100% solids, two component Polyurethane elastomer system designed to coat the inner walls of concrete or metal pipes.

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

<table>
<thead>
<tr>
<th>Kit size</th>
<th>Application</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>110 USG</td>
<td>(416 Litre)</td>
<td>Gray</td>
</tr>
</tbody>
</table>

## 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

<table>
<thead>
<tr>
<th>Kit size</th>
<th>Application</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>110 USG</td>
<td>(416 Litre)</td>
<td>Gray</td>
</tr>
</tbody>
</table>
Waterproofing, Primary and Secondary Containment

<table>
<thead>
<tr>
<th>Geothane 5020</th>
<th>Irabond CR 94</th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
<td>Cementitious waterproofing compound can be used as a fairing or levelling coat on concrete or masonry prior to the application of either Aqualine or Polyurea.</td>
</tr>
<tr>
<td>Kit size</td>
<td>Application</td>
</tr>
<tr>
<td>400 Litre</td>
<td></td>
</tr>
<tr>
<td>25 kg</td>
<td></td>
</tr>
<tr>
<td>3.4 Litre</td>
<td></td>
</tr>
<tr>
<td>17 Litre</td>
<td></td>
</tr>
</tbody>
</table>

Aqualine 300

A 100% solids, two component polyurethane/urea specifically designed for lining 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. |
| Kit size | Application | Color |
| 3.4 Litre | | Gray / Black |
| 10 Litre | | Gray |

Aqualine 300 - 300TG - 400

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

Aqualine 400

100% solids, two component hand applied Polyurethane, designed to coat field joints and repair Protec II PW and Protec II PW-ER. |
| Kit size | Application | Color |
| 17 Litre | | Gray / Black |
| 1 USG (3.78 Litre) | | White / Blue / Gray |

Protec II PW

A 100% solids, two component urethane for lining steel potable water tanks and pipe work providing a tough slick surface. |
| Kit size | Application | Color |
| 110 USG (416 Litre) | | White |

Waste Water

Geothane 5020

A 100% solids, fast set polyurethane with excellent combined dilute chemical and oil resistance. |
| Kit size | Application | Color |
| 110 USG (400 Litre) | | Beige |

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. |
| Kit size | Application | Color |
| 3.4 Litre | | Gray / Black |
| 17 Litre | | Gray |

Protec 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. |
| Kit size | Application | Color |
| 310 ml coaxial twin cartridge | | White / Blue / Gray |
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