RIMSPRAY™

DESCRIPTION:
RIMSPRAY™ is the group name of a selective range of ultra high performance polyurea based protective coatings. RIMSPRAY™ protective coatings are purpose formulated to provide the qualities of extreme durability, low to zero VOC, chemical resistance be UV stable and typically two-component systems to provide the benefit of rapid to instant cure. As performance requirements are project specific the following grades have been purposely formulated to provide options of performance, cost and variations thereof. For example: maximum durability and maximum UV resistance verses high durability and moderate to low UV resistance.

GRADES & APPLICATION
RIMSPRAY™ 690 -100% pure polyurea. Maximum resistance against UV, high chemical resistance. Suitable for primary and secondary chemical containment bunds, pipe linings both internal and external. Suitable for POTABLE water treatment plants, storage reservoirs, water recycling, desalination plants and food processing etc.

RIMSPRAY™ 740 LP - medium reactive hybrid polyurea able to be applied through low pressure spraying equipment without the need for heating. The blended product has excellent chemical resistance is highly flexible with a low modulus ideally suited to provide a waterproof barrier for an extensive range of substrates. Roof decks, podiums, planter boxes and balconies. Also suitable for civil structures such as treatment plants.

RIMSPRAY™ 790 - fast reacting hybrid polyurea providing an extremely durable and chemical resistant protective coating. As resistance to UV is relatively low this protective membrane is typically used for installations that are not exposed such as below grade waterproofing, podiums, areas to be landscaped and for secondary containment in sewage, mining and petrochemical type installations

TYPICAL PROPERTIES:

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>Rimspray 690</th>
<th>Rimspray 740LP</th>
<th>Rimspray 790</th>
</tr>
</thead>
<tbody>
<tr>
<td>Composition</td>
<td>Pure Polyurea</td>
<td>Polyurea Hybrid</td>
<td>Polyurea Hybrid</td>
</tr>
<tr>
<td>Mix Ratio v/v</td>
<td>100 : 100</td>
<td>100 : 100</td>
<td>100 : 100</td>
</tr>
<tr>
<td>Viscosity@25° C</td>
<td>500 -1500 cps</td>
<td>600 -1200 cps</td>
<td>400 - 1000 cps</td>
</tr>
<tr>
<td>Polyol &amp; Iso</td>
<td>300 – 800 cps</td>
<td>400 – 800 cps</td>
<td>400 – 1000 cps</td>
</tr>
<tr>
<td>Gel Time @ 25° C</td>
<td>4 sec</td>
<td>5 sec</td>
<td>4 sec</td>
</tr>
<tr>
<td>Tack Free</td>
<td>20 - 30 sec</td>
<td>15 sec</td>
<td>5 - 15 sec</td>
</tr>
<tr>
<td>Solids v/v</td>
<td>100 %</td>
<td>100 %</td>
<td>100 %</td>
</tr>
<tr>
<td>Shore A</td>
<td>90</td>
<td>40</td>
<td>90</td>
</tr>
</tbody>
</table>

FEATURES
RIMSPRAY™ polyurea based polymer coatings offer more than extreme durability and flexibility these systems are also insensitive to moisture providing an impermeable resilient protective coating free of bubbles.

- Seamless, root-resistant monolithic structure
- Excellent impact and tear resistance
- Extensive life, remains permanently flexible
- Simple mix ratio, good spray ability, smooth finish
- Rapid cure allows quick access to finishing trades
- No Hazardous TDI, MOCA, bitumen or tar
- Compatible with Rimseal PU based membranes, Deckpro flooring systems and Adcrete Novolac epoxy systems for all chemical environments
- Exceeds AS4654 External Waterproofing requirements
- RIMSPRAY 690 is 100% UV resistant and non-yellowing the grades require Topcoat for full UV resistance

PREPARATION
- Surfaces must be sound, smooth, dry and free of dust or contaminants. Off-form concrete should be high pressure cleaned, wet sand blasted or mechanically ground to industry accepted standards.
- Repair all voids, holes and surface defects with Adflex MSP, (multi surface protector). Fill gaps, cracks, etc and form internal fillets with Rimseal PU sealant and allow to cure.
- Concrete should be cured for 28 days and have a moisture content of 4% or less. Use Adflex WBE, water-based epoxy primer on damp or “green” concrete. Allow primer to fully cure before application of the RIMSPRAY™ system. Ensure the complete system is installed within 24 hours

APPLICATION
Masking and Protection
Protect areas from overspray and erect any wind breaks if necessary. Restrict general access to work area.

Primer
Apply Polybond primer at a rate of 6-8m²/litre (average 0.15l/m²) by brush, roller or spray. Allow to dry.

On “green” concrete or damp substrates use Adflex WBE, water-based epoxy primer.

Application Process

July 11, 2016
SPRAYABLE – POLYUREA BASED
HIGH-TECH POLYMER COATINGS

RIMSPRAY™

- Agitate component B to ensure pigment dispersion, prior to use.
- Ensure substrate temperature range is within 5°C to 40°C.
- For membranes and coatings - detail turn-ups, outlets, penetrations with heavy Rimspray™ application or Rimseal PU membrane. Apply Rimspray™ at 1.65 - 2.2kg/m² for a minimum 1.5mm DFT.
- For Rimspray™ PUR joint sealant - tape joints as necessary, use backing rod if required and install.

SURFACING

Exposed Coating
For installations requiring UV protection apply Deckpro 80 Topcoat at 0.3kg/m². For any chemical environment use, contact Adcrete Industries P/L.

Tiles and Toppings
Lay tiles on mortar bed. Install a slip sheet under toppings. Basement Tanking
Cover with Adcrete Enviroboard or Drainage Board.

Insulated - Thermally
Use Enviroshield thermal barrier membrane.

COVERAGE
One litre (1.1kg) Rimspray™ system yields 1m² at 1mm cured thickness. Allow an additional 5% for processing losses, over-spray, etc.

PACKAGING
Rimspray™ 740LP 36kg kit
Rimspray™ 690 and 790 410kg kit
Polybond primer 18kg pails
Adflew WBE primer 20kg kit

STORAGE
Store Rimspray™ in a cool dry place (15° - 25°C). Sealed, unused drums stored under these conditions have a shelf life of approx 6 months. Water contamination of this material must be avoided.

CLEAN UP
Clean up spillage quickly. Use Adcrete GP Solvent Xylene for cleaning. Exercise care when using solvents.

HANDLING PRECAUTIONS
- Do not spray in windy or inclement conditions, use barricades to prevent wind drift from site.
- Use an appropriate grade of Rimseal PU membrane on difficult areas or sections exposed to wind problems. Contact Adcrete Industries for advice on product selection.
- Operators must be fully aware of specific all Material Safety Data requirements before any work is undertaken.
- Avoid contact with skin or eyes. When using product or solvents, use suitable organic vapor respirators or air fed hoods, impervious gloves, safety goggles or full-face shield, coveralls and chemical resistant safety boots.

<table>
<thead>
<tr>
<th>PROPERTIES</th>
<th>RIMSPRAY</th>
<th>EPOXY</th>
<th>POLYURETHANE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working time</td>
<td>Extremely fast (5-30 seconds)</td>
<td>Slow</td>
<td>Slow</td>
</tr>
<tr>
<td>Moisture sensitivity</td>
<td>Insensitive to moisture</td>
<td>Moisture sensitive</td>
<td>Moisture sensitive</td>
</tr>
<tr>
<td>Flexibility,elongation</td>
<td>Up to 800%</td>
<td>Up to 600%</td>
<td>Tend to brittle.</td>
</tr>
<tr>
<td>Colour stability UV</td>
<td>Aliphatics : 100% stability</td>
<td>Aromatics : Unstable-Yellows</td>
<td>Unstable-Yellows</td>
</tr>
<tr>
<td>Abrasion resistance</td>
<td>Very good</td>
<td>Good</td>
<td>Average</td>
</tr>
<tr>
<td>Tensile strength</td>
<td>Good</td>
<td>Average</td>
<td>Good</td>
</tr>
<tr>
<td>Chemical resistance</td>
<td>Excellent</td>
<td>Good</td>
<td>Good</td>
</tr>
<tr>
<td>Temperature resistance</td>
<td>-50°C to + 200°C</td>
<td>-30°C to +140°C</td>
<td>-30°C to + 140°C</td>
</tr>
<tr>
<td>VOC FREE</td>
<td>YES</td>
<td>N</td>
<td>NO</td>
</tr>
</tbody>
</table>

The information presented in this data sheet does not imply any warranty. Further, the maker reserves the right to alter the product, the specification and/or the application techniques as described herein without prior notice, in line with his policy of technological advancement and product improvement. Whilst any information and/or specification contained herein is to the best of our knowledge and experience, all of the above information must in every instance be taken as merely indicative and subject to confirmation after long-term practical applications. For this reason, anyone intending to use the product must ensure beforehand its suitability for the envisaged application. In every instance, the user alone is fully responsible for any consequences deriving from the use of the product. Furthermore, no warranty is given or implied in connection with any recommendations or suggestions made by us or our Representatives, Agents or Distributors as conditions of use and any labour involved beyond our control.