

# Corroless RF61

## Two Pack Polyurethane Reinforced Gloss Finish

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|   |   |                           |                           |                             |            |
|---|---|---------------------------|---------------------------|-----------------------------|------------|
| <b>Product Description</b>  | A two component, glass reinforced, aliphatic polyurethane gloss finish.   |                           |                           |                             |            |
| <b>Features &amp; Use</b>   | <ul style="list-style-type: none"> <li>• Excellent gloss retention</li> <li>• Tough durable finish, good anti-abrasion resistance and weathering characteristics</li> <li>• Glass reinforced for increased impermeability</li> <li>• Excellent chemical resistance</li> <li>• Infinitely recoatable</li> <li>• Durable finish used for long-term performance both on and offshore</li> <li>• Gives excellent protection in urban, marine and industrial environments</li> <li>• Applications include piping, cranes, mechanical equipment, storage tank exteriors, bridges chemical plant and other structural steel</li> </ul> |                           |                           |                             |            |
| <b>Approvals/ Certification</b>   | <ul style="list-style-type: none"> <li>• Sold on track record</li> </ul>  |                           |                           |                             |            |
| <b>Finish</b>   | High Gloss  |                           |                           |                             |            |
| <b>Volume Solids</b>  | 53% ± 2%  |                           |                           |                             |            |
| <b>VOC Content</b>  | Base 428 g/litre (average), Hardener 379 g/litre ± 20g /litre   |                           |                           |                             |            |
| <b>Film Thickness Range And Coverage</b>  |   | <b>Dry Film Thickness</b> | <b>Wet Film Thickness</b> | <b>Theoretical Coverage</b> |            |
|   | <b>Minimum</b>  | 30 µm                     | 56 µm                     | 17.7 m <sup>2</sup> /litre  |            |
|   | <b>Maximum</b>  | 60 µm                     | 113 µm                    | 8.8 m <sup>2</sup> /litre   |            |
| Practical coverage depends on the application method, painting conditions and the shape and roughness of the surface to be coated |   |                           |                           |                             |            |
| <b>Drying Times</b>   | Applied at 40 microns DFT   | <b>+10°C</b>              | <b>+18°C</b>              | <b>+30°C</b>                |            |
|   | <b>Dust Free</b>  |                           | 2 hrs                     | 1½ hrs                      | 45 minutes |
|   | <b>Hard Dry</b>   |                           | 6hrs                      | 4 hrs                       | 2 hrs      |
|   | <b>Overcoating</b>  | Minimum                   | 24 hrs                    | 16 hrs                      | 12 hrs     |
|   |   | Maximum                   | Indefinite                | Indefinite                  | Indefinite |
| Drying and recoat times are related to the film thickness, temperature, the relative humidity of the air and ventilation          |   |                           |                           |                             |            |
| <b>Colours</b>  | Available in a wide range of colours  |                           |                           |                             |            |
| <b>Mix Ratio</b>  | 5:1 by volume (base to hardener)  |                           |                           |                             |            |
| <b>Pot Life</b>   | 4 hours at 18°C   |                           |                           |                             |            |
| <b>SG</b>   | 1.1 1.3 kg/litre (mixed material) varies with colour  |                           |                           |                             |            |
| <b>Storage Conditions</b>   | Store in dry, cool conditions and protect from frost  |                           |                           |                             |            |
| <b>Shelf Life</b>   | Minimum 24 months if stored as above in unopened containers   |                           |                           |                             |            |
| <b>Flash Point</b>  | 23-60°C   |                           |                           |                             |            |

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| <b>Surface Preparation</b>   | <ul style="list-style-type: none"> <li>All surfaces when coated should be firm, clean, dry and free from all oil, grease, salts and other contamination</li> <li>This is a finish coat and should be applied over appropriate Corroless Primers</li> <li><b>Recommended Primer:</b> Corroless EPF</li> <li><b>Intermediate coat:</b> Corroless RF31</li> </ul>  |                       |               |                    |       |        |  |     |                       |     |     |  |  |  |  |
|--|---|-----------------------|---------------|--------------------|-------|--------|--|-----|-----------------------|-----|-----|--|--|--|--|
| <b>Mixing</b>  | <p>Mix each component separately prior to thoroughly mixing together for 2 to 3 minutes at medium speed. Always use a mechanical agitator. Ensure product is used only in the proportions recommended.</p>  |                       |               |                    |       |        |  |     |                       |     |     |  |  |  |  |
| <b>Thinner / Cleaner</b>   | <p>Corroless Thinners No.5. (Solvent Gun Wash may be used for cleaning only)</p>  |                       |               |                    |       |        |  |     |                       |     |     |  |  |  |  |
| <b>Application Conditions</b>  | <p>High humidity will impair gloss. Only apply in conditions of good ventilation which must be maintained during drying and curing. Do not apply when rain, mist, sleet or snow are imminent During application and drying time of the paint coating, the surface should be dry, the Relative Humidity should not exceed 85% and the steel temperature should remain at least 3°C above the dew point. Paint temperature should ideally be at a minimum of 15°C.</p>              |                       |               |                    |       |        |  |     |                       |     |     |  |  |  |  |
| <b>Application Methods</b>   | <table border="1"> <thead> <tr> <th>Method</th> <th>Airless Spray</th> <th>Conventional Spray</th> <th>Brush</th> <th>Roller</th> </tr> </thead> <tbody> <tr> <td></td> <td>Yes</td> <td>Yes-Thinning required</td> <td>Yes</td> <td>Yes</td> </tr> </tbody> </table>   | Method                | Airless Spray | Conventional Spray | Brush | Roller |  | Yes | Yes-Thinning required | Yes | Yes |  |  |  |  |
| Method   | Airless Spray   | Conventional Spray    | Brush         | Roller             |       |        |  |     |                       |     |     |  |  |  |  |
|  | Yes   | Yes-Thinning required | Yes           | Yes                |       |        |  |     |                       |     |     |  |  |  |  |
| <ul style="list-style-type: none"> <li><b>Airless spray:</b> output fluid pressure 2200-2500 psi, tip size 13-18 thou, Fan Angle 30-65°. Caution contains isocyanate. Ensure adequate ventilation and wear air fed hood when spraying. An addition of 5-10% of Corroless Thinners No.5 is recommended for best results when airless spraying. For detailed advice contact Corroless</li> <li><b>Conventional Spray:</b> An addition of up to 10% Corroless Thinners No.5 will be required</li> <li><b>Brush:</b> apply unthinned, lay on, do not over brush</li> </ul> |   |                       |               |                    |       |        |  |     |                       |     |     |  |  |  |  |
| <b>Product Notes</b>   | <ul style="list-style-type: none"> <li><b>Caution contains isocyanate</b></li> <li>Application Temperature: Range 5°C (10°C preferred) to 25°C</li> <li>Stripe Coating: Stripe coat all edges, nuts and bolts, welds etc.</li> <li>Overcoating: Overcoat with itself, or RF65</li> <li>If overcoating time exceeds 24 hrs and contamination has occurred clean using a detergent solution/fresh water to remove contamination rinse and allow to dry before continuing</li> </ul> |                       |               |                    |       |        |  |     |                       |     |     |  |  |  |  |
| <b>Health &amp; Safety</b>   | <p>Containers are provided with safety labels which should be observed. Further information about hazardous influences and protection are detailed in individual Product Safety Data Sheets. A Safety Data Sheet for this product is available on request from Axalta Coating Systems.</p>  |                       |               |                    |       |        |  |     |                       |     |     |  |  |  |  |

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