**RD-MONOGUARD CLEAR**
Semi-Gloss/Satin/Mat

### DESCRIPTION OF THE PRODUCT

**USE:**
Fast drying Primer/Finish high performance anti-corrosion varnish with universal adherence.

**FEATURES:**
Single component water-based varnish based on a special blend of innovative resins for the protection of metal surfaces, objects and engineered structures against corrosion and weathering. **RD-Monoguard Clear** is a DTM (Direct-To-Metal) type of coating that can be applied directly to various type of ferrous and non-ferrous metals. Its special formulation and ingredients offer incredible durability when it comes to protecting steel against corrosion, even without priorly blasting the surface.

**RD-Monoguard Clear** is water-based, easy to handle, safe and has no fire risks. It is a fast-drying coating system that greatly reduces downtime during installation and increases on-site labour productivity. Virtually odour free, it does not affect neighbouring occupants and can therefore be used in occupied buildings.

**RD-Monoguard Clear** is UV resistant and its film forms a neat and tidy enamel type of finish. Tested to be used in the most severe environments, **RD-Monoguard Clear** is particularly interesting to use on surfaces where you would like to keep vintage, rusty, weathered or any other original appearance of the object.

**RD-Monoguard Clear** is part of the SCS – Single Coating System - product group.

**SUBSTRATES:**
Steel, new and old galvanised steel, stainless steel, aluminium, copper, ...

### SYSTEMS

<table>
<thead>
<tr>
<th>Renovation of steel located indoor and in moderate environments</th>
<th>Wet film thickness in microns / mils</th>
<th>Dry film thickness in microns / mils</th>
<th>Consumption per m² / ft² per gallon</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primer</td>
<td><strong>RD-Monoguard Clear</strong></td>
<td>145 / 5.7</td>
<td>50 / 2</td>
<td>0.14 L / 285</td>
</tr>
<tr>
<td>Finish</td>
<td><strong>RD-Monoguard Clear</strong></td>
<td>145 / 5.7</td>
<td>50 / 2</td>
<td>0.14 L / 285</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>100 / 4</td>
<td>0.28 L / 143</td>
<td></td>
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</tbody>
</table>

**Other option for higher abrasion resistance:**

| Primer | **RD-Monoguard Clear** | 145 / 5.7 | 50 / 2 | 0.14 L / 285 | High lifespan > 15 years |
| Finish | **RD-Hydrograff HP Clear** | 125 / 5 | 50 / 2 | 0.13 L / 325 |
| TOTAL | | 150 / 6 |

**Risks of chemical spills or graffitis:**
The system can be top coated by one or two coats of **RD-Hydrograff HP Clear High Gloss** if not already used in the system.

*Indicated consumption is theoretical and does not consider potential losses during application. It can also be influenced by the porosity of the substrate.*
APPLICATION INSTRUCTIONS

APPLICATION CONDITIONS: Ambient temperature: minimum 5°C (41°F) – Optimal between 12° and 25°C (54° and 77°F).
Relative humidity: maximum 80 %
Surface temperature must be minimum 3°C (5°F) above dew point.

APPLICATION MEANS: Brush, roller or airless (nozzle size: 010–012)
Application by airless is recommended and makes it easier to reach the recommended thicknesses. Use a device that allows a minimum pressure of 70-150 bar / 1000 - 2000 psi at the outlet.

PREPARATION OF THE SUBSTRATE: The substrate must be clean: dry, degreased and dust free. Non adhering elements such as older coatings or rust must be removed. Different type of surface preparation is possible:
1/ Remove rust manually or by power tool to ST2 – ISO 8501-1/SSPC SP2 or SP3.
3/ High pressure washing following SSPC SP12 WJ4.

DILUTION: Product is ready-for-use. Dilute with maximum 3% water when applying by airless or in warm weather conditions (> 25°C / > 77°F).

DRYING TIME: (20°C – 68°F) Touch dry: +/- 1 hour depending on thickness
Recoatable: +/- 2 hours depending on film thickness
Possible to apply wet on wet in special conditions.

CLEANING OF TOOLS: Water.

SPECIFICITIES: Mix well before use.

TECHNICAL DATA

FINISH: (Gardner 60°)
Semi-Gloss: +/- 70 % +/- 5
Satin: +/- 35 % +/- 5
Mat: +/- 10 % +/- 5

COLOURS: Clear

DENSITY: Ca. 1,05 +/- 0,05 g/cm³

SOLIDS CONTENT:
In weight: 38 % +/- 2
In volume: 35 % +/- 2

VISCOSITY: 30 - 50 P (Brookfield 20RPM)

VOC CONTENT: < 45 g/L

FLASH POINT: Not flammable.

STORAGE STABILITY: 12 months: keep away from heat and frost

PACKAGING: 1 L – 5 L – 10 L – 20 L
NORMS AND TESTS

<table>
<thead>
<tr>
<th>Test Type</th>
<th>Norms</th>
</tr>
</thead>
<tbody>
<tr>
<td>SALT SPRAY</td>
<td>ISO 9227 / ISO 4628</td>
</tr>
<tr>
<td>WATER CONDENSATION</td>
<td>ISO 4270 / ISO 4628</td>
</tr>
<tr>
<td>ADHESION</td>
<td>ISO 2409</td>
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<tr>
<td>HARDNESS PERSOZ</td>
<td>ISO 1522</td>
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<tr>
<td>HARDNESS PENCIL</td>
<td>ISO 15184</td>
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SAFETY DATA

Information related to hygiene and to safety can be found in the Safety Data Sheet available on request.

These specifications are given for information. Since the manufacturer is not able to check the application of the products, he cannot accept any responsibility for it. This technical data sheet replaces all previous editions.

Contact your RD Coatings representative for any further information.

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