

Special one-component alkyd-based primer with excellent adhesion and anti-corrosive properties, as well as long lasting and durability.

USES AND SUITABLE TOP-COATS

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| Recommended Uses | First coat and single coating system for steel structures, metal surfaces and maintenance operations. |
| Suitable Top-Coats | RTB-850-R can be over-coated by RTB-680 (Ronass Alkyd Enamel Finish Coat). |

CHEMICAL COMPOSITION

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| Type of Binder | Modified Alkyd Resin | Solid Content | 72 ± 1% By Weight |
| Number of Component(s) | 1 Component | | 53 ± 2% By Volume |
| Curing Mechanism | Solvent Evaporation and Oxidation | | |
| Main Pigment(s) | Zinc Phosphate | Flash Point | 29°C (84°F) |

PHYSICAL PROPERTIES

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| Finish | Semi flat |
| Colour | Oxide Red (RAL-3009) and Sand Yellow (RAL-1002) |
| Specific Gravity | 1.40 ± 0.05 gr/cm ³ |

APPLICATION DETAILS

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| Surface Preparation | All oil, grease, dirt and other contaminants must be removed from the surface. Wire brush or sandblast according to the surface conditions is recommended. |
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| Theoretical Consumption | 135 gr/m ² @ 50 Microns DFT |
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| Paint Application | Methods | Airless Spray | Air Spray | Brush | Roller |
| | Nozzle Size | 0.011" – 0.015" | 1.80 mm | --- | --- |
| | Pump Ratio | 1 / 28 | --- | --- | --- |
| | Air Pressure | 4 – 6 Bar | 3 – 4 Bar | --- | --- |
| | Thinning | 8 – 12% T-411 | 10 – 20% T-411 | 3 – 5% T-411 | 3 – 5% T-411 |

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| Film Thickness | | Recommended | Minimum | Maximum |
| | Wet Film Thickness (µm) | 115 | 75 | 190 |
| | Dry Film Thickness (µm) | 60 | 40 | 100 |

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|-------------|-----------------|----------------|---------------|-------------|-------------------------------|
| Drying Time | Dust Free Time | Tack Free Time | Dry to Handle | Fully Cured | Recoating Interval |
| | 30 – 60 Minutes | 2 – 3 Hours | 6 – 8 Hours | 10-20 Days | Min. 24 Hours Max. 14 Days |

**Drying time calculated at 25°C according to ASTM test method D-1640 for 100 µm WFT*

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| Application Limits | Relative Humidity | Min. --- | Max. 80% |
| | Temperature | Min. +5°C | Max. +40°C |
| | Substrate Temperature* | Min. +5°C | Max. +45°C |

**Please note that the substrate temperature should be at least 5°C above the dew point*

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| Recommendations | Should the recoating interval have expired, please refer to the procedures outlined in the Ronass Instruction Leaflet. Clean tools thoroughly before and immediately after use with cleaning solvent T-111 or T-411. |
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PACKING, STORAGE AND SAFETY

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| Packing | 20 Litres Containers (25 kgs. Net) |
| Storage Conditions | To be stored in cool and dry conditions in original sealed containers. |
| Shelf Life | At least 18 months after delivery in original sealed containers and proper storage conditions with temperature of 25°C. |
| Safety | This product contains organic solvents and flammable materials. Keep away from sparks, fires, electrical cables and equipments, direct sunshine and out of children's reach. Protect skin, eyes, and avoid prolonged breathing of solvent vapor during application. Use with adequate ventilation. |