

This coating is a high-temperature resistant, flameproof, two-component coating with excellent insulation capabilities. Ronass Fire-Retardant Coating can provide valuable time while firefighting is in process while also featuring excellent adhesion and anti-corrosive properties during the course of its service life.

USES AND SUITABLE TOP-COATS

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| Recommended Uses | This product can be used as a flameproof coating for protection of steel structures against fire while fire extinguishing is in process. |
| Suitable Top-Coats | Epoxy primers |

CHEMICAL COMPOSITION

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| Type of Binder | Epoxy – Polyamide | Solid Content After Mixing | 80 ± 1% By Weight |
| Number of Component(s) | 2 Components | | 64 ± 2% By Volume |
| Curing Mechanism | Chemical Reaction | Flash Point | 29°C (84°F) |

PHYSICAL PROPERTIES

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| Finish | Semi gloss |
| Colour | Wide range available according to RAL colour system |
| Specific Gravity after Mixing | 1.50 ± 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. Sandblast according to Swedish Standard (SIS 5900) Sa 2 ½ or Sa 3, and treatment with an epoxy primer is recommended. |
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| Mixing Ratio | Component A: 100 Parts by weight Component B: 10 Parts by weight |
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| Mixing Instructions | Mix component A thoroughly with a suitable mixer, then add component B slowly and mix well for 5 minutes. Keep the mixture for 5 additional minutes prior to thinning down to allow for the pre-reaction time. Do not thin down each component separately. |
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| Pot Life | 4 Hours at 25°C |
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| Theoretical Consumption | Depends on formulations. |
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| Paint Application | Methods | Airless Spray | Air Spray | Brush | Roller |
| | Nozzle Size | 0.031" – 0.049" | 1.80 mm | --- | --- |
| | Pump Ratio | 1 / 68 | --- | --- | --- |
| | Air Pressure | 5 – 8 Bar | 3– 5 Bar | --- | --- |
| | Thinning | 2 –5% T-723 | 5 – 10% T-723 | 2 – 4% T-723 | 2 – 4% T-723 |

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| Film Thickness | | Recommended | Minimum | Maximum |
| | Wet Film Thickness (mm) | 6.0 | 3.0 | 9.0 |
| | Dry Film Thickness (mm) | 4.0 | 2.0 | 6.0 |

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| Drying Time | Dust Free Time | Tack Free Time | Dry to Handle | Fully Cured | Recoating Interval |
| | 1 – 2 Hours | 4 – 6Hours | 1–2 Days | 10-14 Days | Min. 16 Hours Max. 10 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-723. |
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PACKING, STORAGE AND SAFETY

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| Packing | Component A(Epoxy): 20 Litres Containers (25 kgs. Net) and Component B(Hardener): 5 Litres Containers (2.5 kgs. Net) |
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| Storage Conditions | To be stored in cool and dry conditions in original sealed containers. |
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| Shelf Life | At least 12 months after delivery in original sealed containers and proper storage conditions with temperature of 25°C. |
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| 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. |
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Protect skin, eyes, and avoid prolonged breathing of solvent vapor during application. Use with adequate ventilation.