# EPOXY MARINE COATING
## RTB-1137 (A&B COMPONENTS)

A high-performance, high-build epoxy coating with excellent adhesion and chemical, humidity and seawater resistances.

### *USES AND SUITABALE PRIMERS*

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|---|---|
| Recommended Uses | Intermediate and finish coat for maintenance operations and metal surfaces in ship building industries. |
| Suitable Primers | RTB-1137 can be applied on all types of epoxy primers and epoxy coatings. |

### *CHEMICAL COMPOSITION*

| | | | |
|---|---|---|---|
| Type of Binder | Epoxy – Polyamide | Solid Content After Mixing | 75 ± 1% By Weight |
| Number of Component(s) | 2 Components | | 57 ± 2% By Volume |
| Curing Mechanism | Chemical Reaction | Flash Point | 29°C (84°F) |

### *PHYSICAL PROPERTIES*

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|---|---|
| Finish | Semi flat |
| Colour | Pale Green (RAL-6021), Yellow Grey (RAL-7034) and Agate Grey (RAL-7038) |
| Specific Gravity after Mixing | 1.45 ± 0.05 gr/cm³ |

### *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 is recommended. |
| Mixing Ratio | Component A: 100 Parts by weight  Component B ( RTB-1137-B or RTB-9600): 15 Parts by weight |
| 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 10 additional minutes prior to thinning down to allow for pre-reaction time. Do not thin down each component separately. |
| Pot Life | 2 Hours at 25°C |
| Theoretical Consumption | 250 gr/m² @ 100 Microns DFT |

Paint Application

| Methods | Airless Spray | Air Spray | Brush | Roller |
|---|---|---|---|---|
| Nozzle Size | 0.009" – 0.013" | 1.80 mm | --- | --- |
| Pump Ratio | 1 / 45 | --- | --- | --- |
| Air Pressure | 4 – 6 Bar | 3 – 4 Bar | --- | --- |
| Thinning | 5 – 8% T-445 | 10 – 15% T-445 | 3 – 5% T-445 | 3 – 5% T-445 |

Film Thickness

| | Recommended | Minimum | Maximum |
|---|---|---|---|
| Wet Film Thickness (µm) | 175 | 75 | 200 |
| Dry Film Thickness (µm) | 100 | 45 | 120 |

Drying Time@25°C

| Dust Free Time | Tack Free Time | Dry to Handle | Fully Cured | Recoating Interval |
|---|---|---|---|---|
| 30 – 60 Minutes | 2 – 3 Hours | 4 – 6 Hours | 10-14 Days | Min. 16 Hours<br>Max. 10 Days |

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

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*

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-445.

### *PACKING, STORAGE AND SAFETY*

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|---|---|
| Packing | Component A(Epoxy): 20 Litres Containers (25 kgs. Net) and Component B(Hardener): 4 Litres Containers (3.75 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.<br>Protect skin, eyes, and avoid prolonged breathing of solvent vapor during application. Use with adequate ventilation. |