

Marine Paint Manual

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Issue Date: July 2015 (ES)

UNIPROTECTOR

Two pack abrasion resistant aluminum pure epoxy anticorrosive. It provides long term protection in areas where severe corrosion may occur on newbuildings such as the underwater hulls, boottop, topsides, decks, holds, ballast tanks, etc. This winter workable epoxy coating is highly resistant to mechanical damages.

| | | | | | |
|-----------------------------|--|--|--------------------------------|----------------|--|
| Suitable Use | For underwater hulls, topsides, boottop, cargo holds, decks, water ballast spaces & superstructure etc. where exposed to significant damages caused by abrasion and wear & tear. | | | | |
| Type | Pure epoxy (Aluminum / Abrasion resistant / Two-pack) | | | | |
| Color | Bronze, Aluminum | | | | |
| Gloss | Flat | | | | |
| Volume Solids | 62 ± 2% (ISO3233:1998) | | | | |
| Typical Dry Film Thickness | 100 ~ 150 μm | | | | |
| Approx. Wet Film Thickness | 161 ~ 242 μm | | | | |
| Theoretical Coverage | 4.13 m ² / L (150 μm) | | | | |
| Drying Time | Surface Dry | 5 hours (5°C) | 3 hours (20°C) | 2 hours (30°C) | |
| | Dry Hard | 15 hours (5°C) | 6 hours (20°C) | 3 hours (30°C) | |
| | Full Cure | 14 days (5°C) | 7 days (20°C) | 5 days (30°C) | |
| Interval before Overcoating | Min. | 16 hours (5°C) | 7 hours (20°C) | 4 hours (30°C) | |
| | Max. | 10 days (5°C) | 7 days (20°C) | 5 days (30°C) | |
| Thinner | NIPPON MARINE THINNER 600 (0 ~ 10%, by weight) | | | | |
| Application Method | Airless Spray | Tip range | 0.53 ~ 0.64 mm | | |
| | | Fan angle | 45° ~ 60° | | |
| | | (For T/U) | 30° | | |
| | | Output pressure | 150 ~ 200 kg / cm ² | | |
| | Brush | For touching up small areas only | | | |
| Mixing Ratio by Volume | BASE 2.56 / HARDENER 1 | | | | |
| Pot Life after Mixing | 6 hours (5°C) | 2 ¹ / ₂ hours (20°C) | 1 hour (30°C) | | |
| Typical Package | 16 Liter (BASE 11.5 L, HARDENER 4.5 L) | | | | |
| | Package may vary from country to country. | | | | |
| Japan Local Brand | UNIPROTECTOR | | | | |
| Flash Point | BASE 24 °C, HARDENER 28 °C | | | | |
| Surface Preparation | Blast cleaned to ISO-Sa 2 ¹ / ₂ or power tool cleaned to St 3 is recommended. | | | | |

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Safety

Take precautions to avoid skin and eye contact (i.e. gloves, goggles, face masks, barrier creams etc.)
Proper ventilation and protective measures must be provided during applications and drying period to keep solvent vapor concentrations within safe limits.
Prior to use, obtain, consult and follow the SDS for this product concerning health and safety information.

<Note>

- 1) The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.
- 2) Since pot life is shortened at high temperatures (1 hour at 30°C), avoid mixing excessive amounts at one time under such conditions.
- 3) Store the paints in paint store.