

Marine Paint Manual

Reference No. : E 10/16

Issue Date: October 2019 (EU)

NIPPON E-MARINE A/C (E)

NIPPON E-MARINE A/C is a two-pack, high volume solid epoxy universal primer aiming for less volatile organic compounds. As this epoxy coating offers excellent anti-abrasion property and resistant to water, seawater, and cathodic protection, it is suitable for all areas such as the underwater hulls, boottop, topsides, decks, holds, and ballast tanks, etc. It can be overcoated with various kinds of finishes. With winter type hardener also for lower temperatures.

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| Suitable Use | Universal anticorrosive for all areas (underwater hulls, boottop, topsides, decks, holds, ballast tanks, etc.) | | | |
| Type | Epoxy (Abrasion resistant / High build / Two-pack) | | | |
| Color (Product Code)* | Red Oxide (CEP / ERCD 3900)* | Black (CEP / ERCD 9005)* | | |
| | Gray (CEP / ERCD 7001)* | Green (CEP / ERCD 6102)* | | |
| | Buff (CEP / ERCD 1335)* | Silver (CEP / ERCD 9106)* | | |
| | HARDENER (ERX 1655)* | winter type (ERX 1755)* | *Not color code (See note 5) | |
| Gloss | Semi-gloss | | | |
| Volume Solids | 75 ± 2% (ISO3233:1998) | | | |
| Typical Dry Film Thickness | 250 µm | | | |
| Approx. Wet Film Thickness | 335 µm | | | |
| Theoretical Coverage | 3.00 m ² / L (250 µm) | | | |
| Drying Time | Surface Dry | 16 hours (5°C) | 6 hour (20°C) | 4 hours (30°C) |
| | Dry Hard | 24 hours (5°C) | 12 hours (20°C) | 10 hours (30°C) |
| | Full Cure | 21 days (5°C) | 14 days (20°C) | 10 days (30°C) |
| Interval before Overcoating (by self) | Min. | 24 hours (5°C) | 12 hours (20°C) | 10 hours (30°C) |
| | Max. | 21 days (5°C) | 14 days (20°C) | 10 days (30°C) |
| Thinner (Code. No.) | NIPPON MARINE THINNER 600 (VEP 46 / VEP 47) / 0 ~ 10%, by weight | | | |
| Application Method | Airless Spray | Tip range | 0.48 ~ 0.59 mm (0.019" - 0.023") | |
| | | Fan angle | 55° ~ 62° | |
| | | (For T/U) | 30° | |
| | | Output pressure | 150 ~ 200 kg / cm ² | |
| | Brush | For touching up small areas only | | |
| Mixing Ratio by Volume | BASE 16 / HARDENER 4 | | | |
| Pot Life after Mixing | 6 hours (5°C) 4 hours (20°C) 2 hours (30 °C) | | | |
| Typical Package | 20L (BASE 16 L, HARDENER 4 L) | | | |
| Flash Point | 25° | | | |
| Surface Preparation | Blast cleaned to ISO-Sa 2 ¹ / ₂ or power tool cleaned to St 3 is recommended. | | | |

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| Generals | For commercial use only. Attention - Avoid exposure - obtain special instructions before use. |
| 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) At temperatures below 5°C, it will take longer to dry and harden.
- 3) If dusting may occur during application at high temperatures, use NIPPON MARINE THINNER 650.
- 4) Store the paints in paint store.
- 5) This code is internal product code of NPMEU. Please be careful as it isn't color code.