

Marine Paint Manual

Reference No. : 08 - 04
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NIPPON E-MARINE FINISH

A two-pack pure epoxy coating specially designed as a finish for above water hulls, decks and superstructures.

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|--|---|--------------------------------|------------------|----------------|------------------|-----------|---------------|----------------|-----------------|--------------------------------|----------------|----------------------------------|--------------|
| Suitable Use | Finish for boottop, topsides, decks, holds, superstructures, etc. | | | | | | | | | | | | |
| Type | Pure epoxy (Two-pack) | | | | | | | | | | | | |
| Color | White, Black, Other colors | | | | | | | | | | | | |
| Gloss | Gloss | | | | | | | | | | | | |
| Volume Solids | 63 ± 2% (ISO3233:1998) | | | | | | | | | | | | |
| Typical Dry Film Thickness | 35 ~ 50 μm | | | | | | | | | | | | |
| Approx. Wet Film Thickness | 56 ~ 79 μm | | | | | | | | | | | | |
| Theoretical Coverage | 15.75 m ² / L (40 μm) | | | | | | | | | | | | |
| Drying Time | <table border="0"> <tr> <td>Surface Dry</td> <td>2 hours (5)</td> <td>1 hour (20)</td> <td>40 minutes (30)</td> </tr> <tr> <td>Dry Hard</td> <td>30 hours (5)</td> <td>15 hours (20)</td> <td>10 hours (30)</td> </tr> <tr> <td>Full Cure</td> <td>14 days (5)</td> <td>7 days (20)</td> <td>5 days (30)</td> </tr> </table> | Surface Dry | 2 hours (5) | 1 hour (20) | 40 minutes (30) | Dry Hard | 30 hours (5) | 15 hours (20) | 10 hours (30) | Full Cure | 14 days (5) | 7 days (20) | 5 days (30) |
| Surface Dry | 2 hours (5) | 1 hour (20) | 40 minutes (30) | | | | | | | | | | |
| Dry Hard | 30 hours (5) | 15 hours (20) | 10 hours (30) | | | | | | | | | | |
| Full Cure | 14 days (5) | 7 days (20) | 5 days (30) | | | | | | | | | | |
| Interval before Overcoating (by self) | <table border="0"> <tr> <td>Min.</td> <td>32 hours (5)</td> <td>16 hours (20)</td> <td>10 hours (30)</td> </tr> <tr> <td>Max.</td> <td>6 months (5)</td> <td>4 months (20)</td> <td>4 months (30)</td> </tr> </table> | Min. | 32 hours (5) | 16 hours (20) | 10 hours (30) | Max. | 6 months (5) | 4 months (20) | 4 months (30) | | | | |
| Min. | 32 hours (5) | 16 hours (20) | 10 hours (30) | | | | | | | | | | |
| Max. | 6 months (5) | 4 months (20) | 4 months (30) | | | | | | | | | | |
| Thinner | NIPPON MARINE THINNER 600 (0 ~ 5%, by weight) | | | | | | | | | | | | |
| Application Method | <table border="0"> <tr> <td>Airless Spray</td> <td>Tip range</td> <td>0.48 mm</td> </tr> <tr> <td></td> <td>Fan angle</td> <td>55 ~ 62°</td> </tr> <tr> <td></td> <td>Output pressure</td> <td>100 ~ 150 kg / cm²</td> </tr> <tr> <td>Brush / Roller</td> <td colspan="2">For touching up small areas only</td> </tr> </table> | Airless Spray | Tip range | 0.48 mm | | Fan angle | 55 ~ 62° | | Output pressure | 100 ~ 150 kg / cm ² | Brush / Roller | For touching up small areas only | |
| Airless Spray | Tip range | 0.48 mm | | | | | | | | | | | |
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| Brush / Roller | For touching up small areas only | | | | | | | | | | | | |
| Mixing Ratio by Volume | BASE 75 / HARDENER 25 | | | | | | | | | | | | |
| Pot Life after Mixing | 16 hours (5) 8 hours (20) 5 hours (30) | | | | | | | | | | | | |
| Package | 18L (BASE 13.5L, HARDENER 4.5L) Package may vary from country to country. | | | | | | | | | | | | |
| Japan Local Brand | NIPPE EPOXY FINISH | | | | | | | | | | | | |
| Flash Point | BASE 6 , HARDENER 6 | | | | | | | | | | | | |
| Surface Preparation | <p>All surfaces to be coated should be clean, dry and free from contamination.</p> <p>High pressure fresh water wash and remove all oil / grease, soluble contaminants and other foreign matters.</p> | | | | | | | | | | | | |
| Safety | <p>Take precautions to avoid skin and eye contact (i.e. gloves, goggles, face masks, barrier creams etc.)</p> <p>Proper ventilation and protective measures must be provided during applications and drying period to keep solvent vapor concentrations within safe limits.</p> <p>Prior to use, obtain, consult and follow the MSDS for this product concerning health and safety information.</p> | | | | | | | | | | | | |

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< 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, the coating will take longer to dry and harden.
- 3) On painted surfaces more than one year, overcoating can be applied after high pressure fresh water washing.
- 4) For newbuildings, NIPPON E-MARINE FINISH M can be used as an interval-free system together with NIPPON E-MARINE PRIMER.
- 5) Use NON-SLIP SAND to produce a non-slip surface for decks and walkways.
- 6) Store the paints in paint store.