

## NIPPON MARINEPRO 85

NIPPON MARINEPRO 85 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 vessel and offshore, ballast tanks, such as the underwater hulls, boottop, topsides, decks, holds, etc. It can be overcoated with various kinds of finishes.

|                            |                                                    |          |       |           |        |          |        |
|----------------------------|----------------------------------------------------|----------|-------|-----------|--------|----------|--------|
| Suitable Use               | Universal anticorrosive                            |          |       |           |        |          |        |
|                            | (underwater hulls, boottop, topsides, decks, etc.) |          |       |           |        |          |        |
| Type                       | Epoxy (Abrasion resistant / High build / Two-pack) |          |       |           |        |          |        |
| Color                      | Red oxide, Gray                                    |          |       |           |        |          |        |
| Gloss                      | Semi-gloss                                         |          |       |           |        |          |        |
| Volume Solids              | 85 ± 2% (ISO3233:1998)                             |          |       |           |        |          |        |
| Typical Dry Film Thickness | 80 ~ 250 µm                                        |          |       |           |        |          |        |
| Approx. Wet Film Thickness | 94 ~ 294 µm                                        |          |       |           |        |          |        |
| Theoretical Coverage       | 4.86 m <sup>2</sup> /L (175 µm)                    |          |       |           |        |          |        |
| Drying Time                | Surface Dry                                        | 2 hours  | (5°C) | 0,5 hours | (10°C) | 0,3 hour | (30°C) |
|                            | Dry Hard                                           | 22 hours | (5°C) | 16 hours  | (10°C) | 5 hours  | (30°C) |

|                                                          |      |          |       |          |        |         |        |
|----------------------------------------------------------|------|----------|-------|----------|--------|---------|--------|
| Interval before Overcoating<br>(by self : Immersed area) | Min. | 22 hours | (5°C) | 16 hours | (10°C) | 5 hours | (30°C) |
|                                                          | Max. | 30 days  | (5°C) | 30 days  | (10°C) | 30 days | (30°C) |

|                                                         |      |          |       |         |        |         |        |
|---------------------------------------------------------|------|----------|-------|---------|--------|---------|--------|
| Interval before Overcoating<br>(by self : Exposed area) | Min. | 10 hours | (5°C) | 7 hours | (10°C) | 3 hours | (30°C) |
|                                                         | Max. | —        | (5°C) | —       | (10°C) | —       | (30°C) |

|                        |                                                                                                                                                        |                                  |                              |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|------------------------------|
| Thinner                | NIPPON MARINE THINNER 600<br>(0 ~ 10%, by volume)                                                                                                      |                                  |                              |
| Application Method     | Airless Spray                                                                                                                                          | Tip range                        | 0.48 ~ 0.59 mm               |
|                        |                                                                                                                                                        | Fan angle                        | 55° ~ 62°                    |
|                        |                                                                                                                                                        | (For T/U)                        | 30°                          |
|                        |                                                                                                                                                        | Output pressure                  | 150 ~ 200 kg/cm <sup>2</sup> |
|                        | Brush                                                                                                                                                  | For touching up small areas only |                              |
| Mixing Ratio by Volume | BASE 4 / HARDENER 1                                                                                                                                    |                                  |                              |
| Pot Life after Mixing  | 5 hours 5°C 2,5 hours 10°C 40 minutes 30°C                                                                                                             |                                  |                              |
| Packaging              | Two Packs                                                                                                                                              |                                  |                              |
| Flash Point            | BASE 28 °C, HARDENER 22 °C                                                                                                                             |                                  |                              |
| Surface Preparation    | Blast cleaned to ISO-Sa 2½ or power tool cleaned to St 3 is recommended.<br>Please consult with Nippon Paint Marine representatives for water jetting. |                                  |                              |



#### 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) For availability of product consult Nippon Paint Marine representatives.
- 5) Unit size and filled volumes can vary due to local regulations.
- 6) Store the paints in paint store.
- 7) Some regions will be supplied with NIPPON MARINE THINNER 615 instead of NIPPON MARINE THINNER 600.
- 8) Use products that comply with local regulations to clean the paint equipment.