

# PERMAX No.3000 S

PERMAX No.3000 S, based on the combination of epoxy resin with glass-flake and polyamide resin, has excellent physical properties such as adhesion, toughness and abrasion resistance, etc. and chemical resistance to salt water, fresh water, crude oil, alkalis and weak acid. It is suitable for protective coating of splash zone, underwater area and tank interior. A film thickness of over 500 microns can be built in one application by airless spray.

## TECHNICAL DATA

|                          |  |  |                |         |         |
|--------------------------|--|--|----------------|---------|---------|
| Type                     | Epoxy / polyamide glass flake paint  |  |                |         |         |
| Recommended Use          | Splash zone and underwater area of ship's outer shell and offshore structures  |  |                |         |         |
| Information              | Mixing Ratio   | : Base : Hardener = 79 : 21 [by volume]<br>Base : Hardener = 85 : 15 [by weight]   |                |         |         |
|                          | Color  | : Grey, Red Brown, Black   |                |         |         |
|                          | Flash Point  | : Base = 28.5, Hardener = 50 [deg C]   |                |         |         |
|                          | Density  | : 1.38 [g/ml]  |                |         |         |
|                          | Volume Solid   | : 92 + 2 [volume %]  |                |         |         |
|                          | Coverage (Theoretical)   | : 0.326 - 0.543 [L/ m <sup>2</sup> ], 0.500 - 0.749 [kg/ m <sup>2</sup> ]  |                |         |         |
|                          | Film Thickness   | : WET 326 - 543 [microns]<br>DRY 300 - 500 [microns]   |                |         |         |
|                          | Drying Time  | Set-to-touch   | 10 °C          | 20 °C   | 30 °C   |
|                          |  |  | 14 hrs.        | 6 hrs.  | 4 hrs.  |
|                          |  | Hard dry   | 32 hrs.        | 16 hrs. | 12 hrs. |
| Painting Interval        |  |  | Min. : 32 hrs. | 16 hrs. | 12 hrs. |
| Pot Life                 | Max. : 5 days  | 3 days   | 2 days         |         |         |
|                          |  | 4 hrs.   | 2 hrs.         | 1 hr.   |         |
| Condition of Application | Method of Application  | : Airless spray, Brush, Roller   |                |         |         |
|                          | Weather  | : Temperature : Min. 10 °C<br>Humidity : Max. 85 % RH  |                |         |         |
|                          | For Airless Spray  | : Viscosity : 6.0 Pa s<br>Tip No. : Ball Tip (*) 625, 627, 629, 631<br>Paint Output Pressure : 24.5 - 29.4 [Mpa]<br>Spray Speed : 60 - 80 [cm/sec] |                |         |         |
|                          | Thinner  | : EPOXY THINNER A<br>Thinning : 0 - 5 % by Volume  |                |         |         |
|                          | Surface Preparation  | : The surface to be painted must be clean, free from rust, dirt, oil grease or other foreign matter using power wash, detergent or solvent wipe.   |                |         |         |
|                          | Preceding Coats  | : BANNOH 500, etc.   |                |         |         |
|                          | Subsequent Coats   | : BANNOH 500 N, VINYL AC-HB, etc.  |                |         |         |
|                          | Packaging Size   | Two pack product<br>20kg/set, 5kg/set for size in Indonesia only   |                |         |         |
| Storage                  | Shelf Life / 12 months after the date of production<br>Subject to the satisfactory results of inspection, the product exceeding 12 months may be used.   |  |                |         |         |
| Safety                   | Follow all the local or National Health, Safety and Environment regulation. Read and follow all the precautionary notices on Material Safety Data Sheet and Container Labels. Apply only at ventilated areas. Handle with care.  |  |                |         |         |
| Notes                    | <ol style="list-style-type: none"> <li>1. Agitate Base with a portable mixer until it is turned homogeneous, and then combine entire contents of Hardener with Base and mix thoroughly by a portable mixer. Air must not be involved into component mixture during stir. Then add appropriate thinner and mix thoroughly.</li> <li>2. Excessive thinning results in reduced sag resistance and paint film property.</li> <li>3. Pay attention to short pot life.</li> <li>4. *GRACO SILVERGUN (208-663) or equivalent are available.</li> <li>5. Drying time before the first cargo hold loading<br/>Temp. 10 °C 20 °C 30 °C<br/>(Days) 18 10 6</li> <li>6. Density and Volume Solid are measurement data of product samples without thinner. And there are various value depending on color or manufacturing regulation etc.</li> </ol> |  |                |         |         |