

## TEKNOPOX BARRIER

Catalog No: 1000 - 104

Teknopox Barrier is a two-pack extra thick epoxy undercoat primer. It provides a barrier effect with its high resistance to mechanical impacts. It is recommended when an anti-corrosion protection is required on any kind of material (wood, steel, iron, aluminum and glass reinforced polyester) which will be exposed to marine environment. It is used as a priming coat for paints which will be continuously submerged, or as an undercoat for superstructures and upper sides.

### TECHNICAL CHARACTERISTICS

<b>Solids by volume (%)</b>	: 63
<b>Density (mixture) (gr/cm<sup>3</sup>)</b>	: 1,4
<b>Color</b>	: White
<b>Finish</b>	: Semi-Matt
<b>Binder</b>	: Epoxy resin
<b>Dry film thickness (μ)</b>	: 125-150
<b>Theoretical covering capacity (m<sup>2</sup>/lt)</b>	: 5(125μ) – 4,2(150μ)
<b>Application temperature (°C)</b>	: + 5 ~ + 35
<b>Drying time (20 °C)</b>	
<b>beginning of drying (hrs)</b>	: 4
<b>full drying (hrs)</b>	: 8
<b>before use (days)</b>	: 7
<b>Overcoating time (20 °C) (hrs)</b>	: Mini. 16 / max. 48
<b>Relative humidity (%)</b>	: 95
<b>Thinner</b>	: Max. 10 % Teknomarin Epoxy Boya Tineri (1001)
<b>Application mode</b>	: Brush, roller, spray gun
<b>Spray Equipment</b>	
<b>(Conventional)</b>	
<b>Nozzle size</b>	: 1,8 – 2 mm
<b>Nozzle pressure</b>	: 0,3-0,4 MPA( 3-4 atm,43-57 psi)
<b>(Airless)</b>	
<b>Nozzle size</b>	: 0,53 (0,021 inch)
<b>Nozzle pressure</b>	: 15 MPA(150 At,2100 PSI)
<b>Surface preparation</b>	: The surface on which this product will be applied must be free from oil, grease, dirt, rust and moisture.
<b>Mixing ratio (by weight)</b>	: 80 A / 20 B
<b>Pot life of the mixture (20 °C) (hrs)</b>	: 8
<b>Safety precautions</b>	: Flammable. Harmful by inhalation and in contact with skin. Irritating to eyes and skin. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Keep out of the reach of children. Do not breathe gas/ fumes/ vapour/ spray (appropriate wording to be specified by the manufacturer). Wear suitable protective clothing, gloves and eye/face protection. If swallowed, seek

FP.01.03.Rev 00

medical advice immediately and show this container or label. Use only in well-ventilated areas. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.