

# EKOPRODUR 3530B2

<b>CHEMICAL NAME</b>	Polyurethane system
<b>TECHNICAL REQUIREMENTS</b>	<p>The volumetric ratio of components POLY: ISO ..... 100 : 100</p> <p>The weight ratio of components POLY : ISO ..... 100 : 110</p> <p>Heating temperature POLY and ISO: ..... 18-22°C</p> <p>Ambient temperature: ..... 5-30°C</p> <p>Recommended surface temperature: ..... 30-40°C</p> <p>Insulated surfaces should be prepared before, should not contain dust, water, oil, loose particles and other substances that could reduce the adhesion of the foam.</p> <p>During processing the system please keep in mind all tips and information included in the MSDS sheets for both components.</p>
<b>GENERAL DATA</b>	<p>Apparent core density: ..... 36 kg/m<sup>3</sup> PN-EN 1602:2013-07</p> <p>Fire classification: ..... E PN-EN 13501-1+A1:2010</p> <p>Fire classification: ..... B2 .. (DIN 4102 cz.1)</p> <p>Short-term water absorption by partial immersion: ..... <math>W_P \leq 1,8\%</math></p> <p>Thermal conductivity: ..... <math>\lambda_{90, 90} 0,023 \text{ W/(m}\cdot\text{K)}</math> PN-EN 12667:2002</p> <p>Compressive stress at 10% relative deformation: ..... <math>\sigma_{10} 180 \text{ kPa}</math> PN-EN 826:2013-07</p> <p>Thermal conductivity: 80°C, after 24h ..... <math>d \leq 1,5\%</math> -30°C, after 48h ..... <math>d \leq 2 \%</math> PN-EN 1604:2013-07</p>
<b>APPLICATION</b>	<p>EKOPRODUR 3530B2 is used as insulation material for refrigeration plants on ships, buoyancy chambers on boats and yachts. It can be used also in discontinuous production of insulating boards and panels with self-extinguished properties. Insulation is suitable to use in temperature range of -40°C do +120°C.</p> <p>Certified to marine use by BUREA VERITAS : 12502/D0 BV as an refrigeration insulation.</p> <p>The polyurethane rigid foam is self-extinguishing, after internal small burning test according to DIN EN ISO 11925.</p> <p>It may be processed with low and high pressure foaming machines.</p>