

# EKOPRODUR 3050W B2

<b>CHEMICAL NAME</b>	Polyurethane system																		
<b>TECHNICAL REQUIREMENTS</b>	<p><b>Weight</b> ratio of components POLY : ISO <b>100 : 150</b></p> <p>Optimal components temperature: 22-26°C</p> <p>Ambient temperature: 18-25°C</p> <p>Optimal mould temperature: 35-45°C</p> <p><b>IMPORTANT:</b> In the case of the mould made of aluminium or stainless steel it could be necessary to prepare the surface mechanically or chemically (using the proper release agent), to decrease adhesion.</p> <p>Foam density in the final product should be around 42-50 kg/m<sup>3</sup> (overall foam weight [kg] / mould volume [m<sup>3</sup>]). Components mixing and pouring into the mould should ensure the uniform fulfilment of the mould.</p> <p>Demoulding time depends on mould dimensions and temperature. Foam achieves its final mechanical properties after 24h conditioning. 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>The foam synthesized by pouring in the mold in laboratory conditions.</p> <table border="0"> <tr> <td>Apparent core density:</td> <td>≥ 42 kg/m<sup>3</sup></td> <td>EN 1602:2013-07</td> </tr> <tr> <td>Thermal conductivity (initial lambda):</td> <td></td> <td>EN 12667:2002</td> </tr> <tr> <td><b>λ init</b></td> <td>0,0234 W/(m·K)</td> <td></td> </tr> <tr> <td>Fire classification:</td> <td>E</td> <td>EN 13501-1+A1:2010</td> </tr> <tr> <td>Fire classification:</td> <td>B2</td> <td>DIN 4102</td> </tr> <tr> <td>Closed-cell content:</td> <td>≥ 90%</td> <td>EN ISO 4590:2005</td> </tr> </table>	Apparent core density:	≥ 42 kg/m <sup>3</sup>	EN 1602:2013-07	Thermal conductivity (initial lambda):		EN 12667:2002	<b>λ init</b>	0,0234 W/(m·K)		Fire classification:	E	EN 13501-1+A1:2010	Fire classification:	B2	DIN 4102	Closed-cell content:	≥ 90%	EN ISO 4590:2005
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<b>APPLICATION</b>	<p>EKOPRODUR 3050W B2 is used for manufacturing of boilers, tanks and water-heaters as technical insulation. It may be processed with low and high pressure foaming machine. The obtained PU foam based on the system is characterized by enhanced fire resistance (fire class E).</p> <p>The recommended foam density in the product is 42-50 kg/m<sup>3</sup>.</p>																		