

EKOPRODUR 2232W

CHEMICAL NAME	Polyurethane system
TECHNICAL REQUIREMENTS	<p>Weight ratio of components POLY: ISO 100 : 153 Optimal components temperature: 18-22°C Optimal ambient temperature: 18-25°C Optimal temperature of coverings/moulds: 30-40°C</p> <p>With aluminium or stainless steel lining, it may be necessary to prepare the substrate mechanically or chemically to increase adhesion.</p> <p>The foam density in the finished product should be no less than 40 kg/m³ (calculated as the weight ratio of the system in kg to the total mould volume in m³). The method of mixing and pouring the system into the mould should ensure a uniform filling and core density not less than 38 kg/m³. Demoulding time depend on size of the part and mould temperature.</p> <p>Full mechanical parameters foam obtain after 24h of curing.</p>
GENERAL DATA	<p>Foam was received by using high-pressure machinery.</p> <p>Apparent core density: ≥ 40 kg/m³. PN-EN 1602:2013-07 Fire classification: F .. PN-EN 13501-1+A1:2010 Thermal conductivity: $\lambda_{\text{mean, i}} 0,025$ W/(m·K) PN-EN 12667:200</p> <p>Compressive stress at 10% relative deformation $\sigma_{10} \geq 200$ kPa PN-EN 826:2013-07</p> <p>Dimensional stability: 80°C, after 24h d \leq 4 % sz \leq 4 % g \leq 1 % -30°C, after 48h d \leq 2 % sz \leq 2 % g \leq 0,5 % PN-EN 1604:2013-07</p> <p>Closed-cell content $\geq 90\%$ PN-EN ISO 4590:2005</p>
APPLICATION	<p>EKOPRODUR 2232W is designed to be used in production of insulating materials like boards and panels in moulds and in-situ filling.</p> <p>This system can be processed with the help of both: low- and high-pressure foaming machine.</p> <p>Polish Hygienic Certificate PZH: BK/B/0429/01/2019.</p>