

EKOPRODUR S0331FL

CHEMICAL NAME	Polyurethane system
TECHNICAL REQUIREMENTS	<p>These recommendations are based on experience in applying the spray foam with the machine Graco Reaktor H-XP3 with the gun PROBLER P2 ELITE (01 mixing chamber).</p> <p>Components volumetric ratio POLY : ISO.....100 : 100 Components heating temp:..... 35 - 45°C Hoses temperature:..... 35 - 45°C Components pressure: 70 - 100 Bar (1015 - 1450 psi) Component drum temperatures: 15 – 30°C The recommended ambient temperature:10 - 35°C Recommended surface temperature should: 15 - 50°C Ambient relative humidity: 70% Humidity on the porous surface: to 15% Nonporous surface should be dry:(0%)</p>
GENERAL DATA	<p>Core density:..... $\geq 38 \text{ kg/m}^3$ PN-EN 1602:2013-07</p> <p>Fire classification E PN-EN 13501-1+A1:2010</p> <p>Short-term water absorption by partial immersion:..... $W_p \leq 0,10 \text{ kg/m}^2$ PN-EN 1609:2013</p> <p>Thermal conductivity:..... $\lambda_{\text{mean,i}} = 0,020 \text{ W/(m}\cdot\text{K)}$ $\lambda_{90,90} = 0,021 \text{ W/(m}\cdot\text{K)}$</p> <p>Declared value λ_D for the thicknesses: One diffusion-tight lining</p> <p style="text-align: right;">$dN < 80 \text{ mm } 0,027 \text{ W/(m}\cdot\text{K)}$ $80 \text{ mm} \leq dN < 120 \text{ mm } 0,025 \text{ W/(m}\cdot\text{K)}$ $dN \geq 120 \text{ mm } 0,024 \text{ W/(m}\cdot\text{K)}$ PN-EN 12667:2002</p> <p>Compressive strength at 10% relative deformation $\sigma_{10} \geq 250 \text{ kPa}$ PN-EN 826:2013-07</p> <p>Water vapor resistance coefficient: $\mu \geq 60$ PN-EN 12086:2013-07</p> <p>Dimensional stability: 70°C, 90% RH, after 48h DS(70,90)3 -20°C, after 48h..... DS(-20,-)3</p> <p>Adhesion of the foam perpendicularly to the surface: $\geq 100 \text{ kPa}$ PN-EN 1607:2013</p>

Closed cell content $\geq 90\%$
PN-EN ISO 4590:2005

APPLICATION

EKOPRODUR S0331FL is designed to perform thermal insulation by spraying, floors, ceilings.

EKOPRODUR S0331FL is processed with the help of specialized high pressure machine, equipped with a spray head.

The foam's excellent insulating properties were achieved through the use of, HFO, a fourth-generation foaming agent from the hydro-fluoroolefin group with a low GWP = 1 and zero ozone depletion potential ODP = 0.