

# EKOPRODUR S0540

<b>CHEMICAL NAME</b>	Polyurethane system
<b>TECHNICAL REQUIREMENTS</b>	<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:..... 30 - 45°C  Hoses temperature:..... 30 - 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>
<b>GENERAL DATA</b>	<p>Core density:..... ≥ 50 kg/m<sup>3</sup>  PN-EN 1602:2013-07</p> <p>Fire classification ..... E; B<sub>ROOF</sub>(t1)  PN-EN 13501-1+A1:2010</p> <p>Short-term water absorption by partial immersion:..... W<sub>p</sub> ≤ 0,11 kg/m<sup>2</sup>  PN-EN 1609:2013</p> <p>Thermal conductivity:..... λ<sub>mean,i</sub> = 0,022 W/(m·K)  λ<sub>90,90</sub> = 0,023 W/(m·K)</p> <p>Declared value λ<sub>D</sub> for the thicknesses:  One diffusion-tight lining</p> <p style="margin-left: 400px;">dN &lt; 40 mm 0.029 W/(m·K)  40 mm ≤ dN &lt; 60 mm 0.028 W/(m·K)  dN ≥ 60 mm 0.027 W/(m·K)  PN-EN 12667:2002</p> <p>Compressive strength: ..... ≥ 300 kPa  PN-EN 826:2013-07</p> <p>Water vapor resistance coefficient: ..... μ 165  PN-EN 12086:2013-07</p> <p>Dimensional stability:  70°C, 90% RH, after 48h ..... d ≤ 4 %  sz ≤ 4 %  g ≤ 1 %</p> <p>-30°C, after 48h..... d ≤ 2 %  sz ≤ 2 %  g ≤ 0,5 %</p>

Adhesion of the foam perpendicularly to the surface: .....  $\geq 400$  kPa  
PN-EN 1607:2013  
Total relative deformation: 48 h, 20 kPa, 80°C .....  $\leq 0,95\%$   
EN 1605:2013-07  
Closed cell content .....  $\geq 90\%$   
PN-EN ISO 4590:2005

## APPLICATION

EKOPRODUR S0540 is designed to perform external thermal insulation of roofs, foundations and internal thermal insulation of floors (flooring) by spraying.

EKOPRODUR S0540 is processed with the help of specialized high pressure blowing aggregates, equipped with a spray head.