

EKOPRODUR S0340FL

CHEMICAL NAME Polyurethane system

TECHNICAL REQUIREMENTS

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).

Components volumetric ratio POLY : ISO.....100 : 100
 Components heating temp:..... 35 - 50°C
 Hoses temperature:..... 35 - 50°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%)

GENERAL DATA

Core density:..... $\geq 38 \text{ kg/m}^3$
 PN-EN 1602:2013-07
 Fire classification E
 PN-EN 13501-1+A1:2010
 Short-term water absorption by partial immersion:..... $W_p \leq 0,09 \text{ kg/m}^2$
 PN-EN 1609:2013
 Thermal conductivity:..... $\lambda_{\text{mean},i} = 0,020 \text{ W/(m}\cdot\text{K)}$
 $\lambda_{90,90} = 0,021 \text{ W/(m}\cdot\text{K)}$
 Declared value λ_D for the thicknesses:
 One diffusion-tight lining
 $dN < 80 \text{ mm } 0,027 \text{ W/(m}\cdot\text{K)}$
 $80 \text{ mm} \leq dN < 120 \text{ mm } 0,025 \text{ W/(m}\cdot\text{K)}$
 $dN \geq 120 \text{ mm } 0,024 \text{ W/(m}\cdot\text{K)}$
 PN-EN 12667:2002
 Compressive strength at 10% relative deformation $\sigma_{10} \geq 250 \text{ kPa}$
 PN-EN 826:2013-07
 Water vapor resistance coefficient: $\mu \geq 40$
 PN-EN 12086:2013-07
 Dimensional stability:
 70°C, 90% RH, after 48h $d \leq 4 \%$
 $sz \leq 4 \%$
 $g \leq 1 \%$
 -30°C, after 48h..... $d \leq 2 \%$
 $sz \leq 2 \%$
 $g \leq 0,5 \%$

Adhesion of the foam perpendicularly to the surface: ≥ 200 kPa
PN-EN 1607:2013

Closed cell content ≥ 90 %
PN-EN ISO 4590:2005

APPLICATION

EKOPRODUR S0340FL is designed to perform thermal insulation by spraying, floors, ceilings.

EKOPRODUR S0340FL is processed with the help of specialized high pressure machine, equipped with a spray head.