

# EKOPRODUR S0329

**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:.....  $\geq 34 \text{ kg/m}^3$   
 PN-EN 1602:2013-07  
 Fire classification ..... E  
 PN-EN 13501-1+A1:2010  
 Short-term water absorption by partial immersion:.....  $W_p \leq 0,11 \text{ kg/m}^2$   
 PN-EN 1609:2013  
 Thermal conductivity:.....  $\lambda_{\text{mean,i}} = 0,021 \text{ W/(m}\cdot\text{K)}$   
 $\lambda_{90,90} = 0,022 \text{ W/(m}\cdot\text{K)}$   
 Declared value  $\lambda_D$  for the thicknesses:  
 One diffusion-tight lining  
 $dN < 40 \text{ mm } 0.028 \text{ W/(m}\cdot\text{K)}$   
 $40 \text{ mm} \leq dN < 60 \text{ mm } 0.027 \text{ W/(m}\cdot\text{K)}$   
 $dN \geq 60 \text{ mm } 0.026 \text{ W/(m}\cdot\text{K)}$   
 PN-EN 12667:2002  
 Compressive strength at 10% relative deformation .....  $\sigma_{10} \geq 150 \text{ kPa}$   
 PN-EN 826:2013-07  
 Water vapor resistance coefficient: .....  $\mu 35 - 50$   
 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: .....  $\geq 300$  kPa  
PN-EN 1607:2013

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

## APPLICATION

EKOPRODUR S0329 is designed to perform thermal insulation by spraying, internal and external walls, ceilings, attics, tanks, pipelines and other elements with unique geometry.

EKOPRODUR S0329 is processed with the help of specialized high pressure machine, equipped with a spray head.