

EKOPRODUR S10-HP

CHEMICAL NAME System poliuretanowy

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) and Twistork helix mixer.

Components volumetric ratio POLY : ISO.....100 : 100
 Components heating temp:..... 50 - 60°C
 Hoses temperature:..... 50 - 60°C
 Components pressure: 80 - 110 Bar (1160 - 1595 psi)
 Component drum temperatures: 30 – 40°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:..... ≥ 6,5 kg/m³
 PN-EN 1602:2013-07
 Fire classification F
 PN-EN 13501-1+A1:2010
 Short-term water absorption by partial immersion:..... $W_p \leq 1, 5 \text{ kg/m}^2$
 PN-EN 1609:2013
 Thermal conductivity:..... $\lambda_{\text{mean,i}} = 0,037 \text{ W/(m}\cdot\text{K)}$
 $\lambda_{90,90} = 0,038 \text{ W/(m}\cdot\text{K)}$
 Declared value: $\lambda_D = 0,038 \text{ W/(m}\cdot\text{K)}$
 Heat transfer coefficient after exposure to high humidity
 (50°C, 90% relative humidity): $\lambda_{50C,90\%rh} = 0,038 \text{ W/(m}\cdot\text{K)}$
 PN-EN 12667:2002
 Compressive strength at 10% relative deformation $\sigma_{10} \geq 5 \text{ kPa}$
 PN-EN 826:2013-07
 Water vapor resistance coefficient: $\mu 6$
 PN-EN 12086:2013-07
 Dimensional stability:
 70°C, 90% RH, after 48h DS(70,90)4
 -20°C, after 48h..... DS(-20,-)4
 Adhesion of the foam perpendicularly to the surface: ≥ 20 kPa
 PN-EN 1607:2013
 Closed cell content ≤ 10 %
 PN-EN ISO 4590:2005

APPLICATION

EKOPRODUR S10-HP is designed to perform internal thermal and acoustic insulation of roofs, attics, roofing, ceilings, walls in timber structures, brick, steel and skeletal systems of residential, industrial as well as public buildings, hangars and media premises by spraying.

The density of the sprayed foam achieves 8 – 10 kg/m³ depends on the thickness of the layer and quality of the realization.

EKOPRODUR S10-HP is processed with the help of specialized high pressure spraying aggregates, equipped with a spray head.