

EKOPRODUR 05200

CHEMICAL NAME	System poliuretanowy
TECHNICAL REQUIREMENTS	<p>The volumetric ratio of components POLY : ISO..... 100 : 100</p> <p>Heating temperature POLY and ISO: 35 - 50°C</p> <p>Heating the hoses: 35 - 50°C</p> <p>Components pressure in mixing heat: 70-110 bar (1015-1450 psi)</p> <p>Components temperature (in drums): 15 - 30°C</p> <p>Ambient temperature: ... 10 - 35°C</p> <p>Recommended surface temperature: 15 - 50°C</p> <p>Relative ambient humidity: to 70%</p> <p>Humidity of porous base: do 15%</p> <p>Humidity of non-porous base: 0 %</p> <p>Optimal face/mould temperature: 30-45°C</p> <p>In the case of the mould made of aluminium or stainless steel it can be necessary to prepare the surface mechanically or chemically, to improve adhesion.</p> <p>Insulated surfaces should be prepared before, should not contain dust, water, oil, loose particles and other substances that could reduce the adhesion of the foam.</p> <p>During processing the system please keep in mind all tips and information included in the MSDS sheets for both components.</p>
GENERAL DATA	<p>Apparent core density: $\geq 150 \text{ kg/m}^3$.. PN-EN 1602:2013-07</p> <p>Compressive stress at 10% relative deformation $\sigma_{10} \geq 500 \text{ kPa}$ PN-EN 826:2013-07</p> <p>Temperature stability:</p> <p>70°C, 90% RH, after 48 h $d \leq 4 \%$ sz $\leq 4 \%$ g $\leq 1 \%$</p> <p>-30°C, after 48h $d \leq 2 \%$ sz $\leq 2 \%$ g $\leq 0,5 \%$ PN-EN 1604:2013-07</p> <p>Closed-cell content: $\geq 90\%$ PN-EN ISO 4590:2005</p> <p>Adhesion of the foam perpendicularly to the surface: $\geq 300 \text{ kPa}$ EN 1607:2013-07</p>
APPLICATION	<p>EKOPRODUR 05200 is designed for the production of a rigid coating of slightly foamed polyurethane material that can be applied on surfaces requiring mechanical reinforcement, e.g. shower trays, bath tubs, car chassis elements, etc. It shows good adhesion to majority of materials dedicated for extrusion, such as ABS and acrylic.</p>

The EKOPRODUR 05200 system is processed using specialist high-pressure foaming units equipped with a spray head.
Hygienic Atest: BK/B/0429/01/2019