

CROSSIN[®] HARD 36

CHEMICAL NAME	Polyurethane system
TECHNICAL REQUIREMENTS	<p>The 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.</p> <p>Volumetric components ratio: POLY : ISO.....100 : 100</p> <p>Temperature settings on the machine:</p> <p>Components (POLY and ISO) heating temperature:..... 35 - 45°C</p> <p>Heating the hoses: 35 - 45°C</p> <p>Components pressure: 70 - 100 Bar (1015 - 1450 psi)</p> <p>Components temperature (in drums): 15 - 30°C</p> <p>The recommended ambient temperature: 15 - 35°C</p> <p>While the recommended surface temperature: 15 - 50°C</p> <p>Ambient relative humidity: ≤ 70%</p> <p>Humidity on the porous surface: to 15%</p> <p>Nonporous surface should be dry: (0%)</p>
GENERAL DATA	<p>Core density:..... ≥ 34 kg/m³ PN-EN 1602:2013-07</p> <p>Fire classification: E PN-EN 14315-1</p> <p>Short-term water absorption by partial immersion:..... Wp ≤ 0,10 kg/m² PN-EN 14315-1</p> <p>Thermal conductivity:..... λ_{mean,i} = 0,020 W/(m·K) λ_{90,90} = 0,021 W/(m·K) PN-EN 14315-1</p> <p>Aging value λD for thickness: (One diffusion-tight lining)</p> <p style="padding-left: 400px;">d_N < 80 mm0,026 W/(m·K)</p> <p style="padding-left: 200px;">80 mm ≤ d_N < 120 mm0,025 W/(m·K)</p> <p style="padding-left: 200px;">d_N ≥ 120 mm0,024 W/(m·K) PN-EN 14315-1</p> <p>Compressive stress at 10% relative deformation: σ₁₀ ≥ 200 kPa PN-EN 14315-1</p> <p>Coefficient of water vapor resistance: μ ≥ 60 PN-EN 14315-1</p> <p>Dimensional stability:</p> <p>70°C, 90% RH, after 48h..... DS(70,90)3</p> <p>-20°C, after 48h..... DS(-20,-)3 PN-EN 1604:2013</p>

Adhesion of the foam perpendicular to the surface: ≥ 100 kPa
EN 1607:2013

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

APPLICATION

CROSSIN® HARD 36 is intended to perform thermal insulation of ceilings, walls, attics, tanks, pipelines, partitions and facades by spraying. It can be successfully used in buildings including residential and commercial as well as in agricultural and industrial.

CROSSIN® HARD 36 is a polyurethane system that must be processed using the special foaming units, equipped with a spray head.