

CROSSIN[®] ATTIC SOFT

CHEMICAL NAME	Polyurethane system
TECHNICAL REQUIREMENTS	<p>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.</p> <p>Components volumetric ratio POLY : ISO.....100 : 100 Components heating temp:..... 50 - 58°C Hoses temperature:..... 50 - 58°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: do 15% Nonporous surface should be dry:(0%)</p>
GENERAL DATA	<p>Core density:..... $\geq 7 \text{ kg/m}^3$ PN-EN 1602:2013-07</p> <p>Fire classification Bs₁d₀³..... E PN-EN 13501-1+A1:2010</p> <p>Short-term water absorption by partial immersion:..... $W_p \leq 0,85 \text{ kg/m}^2$ PN-EN 1609:2013</p> <p>Thermal conductivity:..... $\lambda_{\text{mean,i}} = 0,036 \text{ W/(m}\cdot\text{K)}$ $\lambda_{90,90} = 0,037 \text{ W/(m}\cdot\text{K)}$</p> <p>Declared value: $\lambda_D = 0,037 \text{ W/(m}\cdot\text{K)}$ Heat transfer coefficient after exposure to high humidity (50°C, 90% relative humidity): $\lambda_{50C,90\%rh} = 0,037 \text{ W/(m}\cdot\text{K)}$ PN-EN 12667:2002</p> <p>Compressive strength at 10% relative deformation $\sigma_{10} \geq 5 \text{ kPa}$ PN-EN 826:2013-07</p> <p>Water vapor resistance coefficient: $\mu \geq 3$ PN-EN 12086:2013-07</p> <p>Sound absorption coefficient: $\alpha_W = 0,50$ PN-EN ISO 11654:1999</p> <p>Sound absorption class: D PN-EN ISO 11654:1999</p> <p>Dimensional stability: 70°C, 90% RH, after 48h $d \leq 4 \%$ $sz \leq 4 \%$ $g \leq 1 \%$</p> <p>-30°C, after 48h..... $d \leq 2 \%$ $sz \leq 2 \%$</p>

	$g \leq 0,5 \%$
20°C, 50%RH after 48h.....	$d \leq 2 \%$
	$sz \leq 2 \%$
	$g \leq 0,5 \%$
	PN-EN 1604:2013
Adhesion of the foam perpendicular to membraną:	$> 34 \text{ kPa}$
Adhesion of the foam perpendicular to fiber-cement substrate ..	$> 20 \text{ kPa}$
Interlayer adhesion	$> 40 \text{ kPa}$
	PN-EN 1607:2013
Closed cell content	$\leq 10 \%$
	PN-EN ISO 4590:2005
Susceptibility to mold growth	PN-EN ISO 846:2002

APPLICATION

CROSSIN® ATTIC SOFT is designed for producing internal thermal and acoustic insulation by spraying. It is used for insulation of roofs, attics and various types of roofing, in wood construction, masonry, steel and skeletal systems of residential, industrial, agricultural and public buildings, hangars and media venues.

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