



POLYURETHANE

POLYURETHANE coating fulfills superior adhesion and weather-sustainability requirements. It is available in many colors and is typically used for external building and general industry applications (tiles, seam roof, facades, modular buildings) and those that require high flexibility during formation (rain-water systems). Our Polyurethane possesses good weather resistance properties and available in high gloss and matt finish selection.

Properties	<ul style="list-style-type: none"> High flexibility Increased hardness High abrasion & chemical resistance High UV resistance Eco friendly product 		
Application	Durable flexible coating for external application (mainly roofing & rain-water system)		
Description	Thickness	50 microns option 40 microns option Dual side option	
	Gloss	45 % (other options available upon request)	
	Colors	RAL or RR palette (color matching possible upon request)	
	Surface condition	Smooth / Wrinkle (Silk touch)	
	Surface protection	Protective film available upon request	
Performance	Adhesion of the coating (T-Bend)	1T (no loss of adhesion)	
	Impact resistance	18 J	
	Surface pencil hardness	F~H	
	Scratch resistance	≥ 3 kg	
	Corrosion resistance	<ul style="list-style-type: none"> Salt spray test Corrosion resistance category 	
		500 h / 1500 h RC4	
	UV resistance	<ul style="list-style-type: none"> QUV (UVA + H2O) test (2000 hours) UV resistance category 	
		ΔE ≤ 2; GR ≥ 80% RUV 4	
	Fire behavior classification (EN 13501-1)	A1	
	Highest operation temperature	90°C	
	Resistance to acids and bases	Good to very good	
	Resistance to solvents:	<ul style="list-style-type: none"> Aliphatics and alcohols Ketones Aromatics 	
		<ul style="list-style-type: none"> Very good Good Good to very good 	
	Resistance to mineral oils	Very good	
Warranty	Rural / Civil / Industrial Environment	Corrosion, Perforation	25 years
		Crack, Peel off	20 years
		Fading, Chalking	20 years