



# SILICONE MODIFIED POLYESTER

SMP is a Polyester paint-based coating, that contains polymerized Silicone to improve Polyester’s chalk performance and gloss retention. With a chalk/fade advantage over regular Polyester, and a scratch/abrasion resistance advantage over PVDF, SMP is the most widely-used middle runner between both. SMP is a perfect solution for an exterior building market. Available in an enhanced option – SMP40, granting prolonged Warranty for up to 40 years.

<b>Properties</b>	<ul style="list-style-type: none"> <li>• Excellent weather resistance</li> <li>• High corrosion resistance</li> <li>• Improved scratch resistance</li> <li>• Excellent UV resistance</li> </ul>	
<b>Application</b>	Solid coating for external and industry applications: Sandwich panels, Wall/Roof cladding and others.	
<b>Description</b>	Thickness	25 micron Dual side option
	Gloss	10 ~ 90% (can be regulated upon request)
	Colors	RAL or RR palette (color matching possible upon request) / Pattern
	Surface condition	Smooth / Matt / Textured
	Surface protection	Protective film available upon request
<b>Performance</b>	Adhesion of the coating (T-Bend)	3T - 2T (no loss of adhesion)
	Impact resistance	18J
	Surface pencil hardness	F min.
	Scratch resistance	≥ 2 kg
	Corrosion resistance	
	• Salt spray test / humidity	750 h / 1000 h
	• Corrosion resistance category	RC3
	UV resistance	
	• QUV (UVA + H2O) test (2000 hours)	ΔE ≤ 2; GR ≥ 80%
	• UV resistance category	RUV 4
Fire behavior classification (EN 13501-1)	A1	
Highest operation temperature	90 °C	
Resistance to acids and bases	Good	
Resistance to solvents:		
• Aliphatics and alcohols	• Good to very good	
• Ketones	• Low	
• Aromatics	• Good to very good	
Resistance to mineral oils	Very good	
<b>Warranty</b>	Rural / Civil / Industrial Environment	Crack, Peel off Fading, Chalking
		15 years 15 years