



# HIGH WORKABILITY POLYESTER

HWP is a solid color Polyester paint-based coating that provides superb paint flexibility properties to withstand severe mechanical stresses without getting cracked or undergoing other failures. The unique chemical composition allows the coating resist corrosion to contribute the longevity. HWP is widely used for Fire Retardant and Entry Door application.

<b>Properties</b>	<ul style="list-style-type: none"> <li>• Excellent weather resistance</li> <li>• Paint surface uniformity</li> <li>• Good bending properties</li> </ul>		
<b>Application</b>	Resistant and flexible coating for external and premium industry applications: Fire doors, Entry doors and Sectional garage door panels		
<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)	1T (no loss of adhesion)	
	Impact resistance	18J	
	Surface pencil hardness	F to H	
	Scratch resistance	≥ 2 kg	
	Corrosion resistance		
	• Salt spray test / humidity	360 h / 1000 h	
	• Corrosion resistance category	RC3	
	UV resistance		
	• QUV (UVA + H2O) test (2000 hours)	ΔE ≤ 2; GR ≥ 80%	
	• UV resistance category	RUV 2	
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	10 years
		Fading, Chalking	10 years