

HDP/SPE



Top Paint Layer (20 mic)
 Primer Layer (5 mic)
 Pretreatment (1~2 mic)
 Z/AZ/ZM
 Base Material
 Z/AZ/ZM
 Pretreatment (1~2 mic)
 Epoxy (5~7 mic)

HIGH DURABLE POLYESTER / SUPER POLYESTER

HDP / SPE is a solid color Polyester paint based coating that thanks to its chemical composition secures high corrosion and scratch resistance to ensure long-lasting life and durability of the product. The aesthetics of this product makes it popular for premium applications, such as Garage door or Steel Entrance door.

Properties	<ul style="list-style-type: none"> • Excellent weather resistance • High corrosion resistance • Good bending properties • Excellent UV resistance 	
Application	Durable and resistant coating for external building and premium industry applications: Steel doors and Sectional garage door panels	
Description	Thickness	25 micron Dual side option
	Gloss	10 ~ 90% (can be regulated upon request)
	Colors	RAL or RR palette (color matching possible upon request)
	Surface condition	Smooth
	Surface protection	Protective film available upon request
Performance	Adhesion of the coating (T-Bend)	2T-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)	$\Delta E \leq 2$; 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	
Warranty	Rural / Civil / Industrial Environment	Crack, Peel off Fading, Chalking
		15 years 15 years