



PVC Plastisol
Performance Overview

ROOFING
CLADDING & SHEETING

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ROOFING

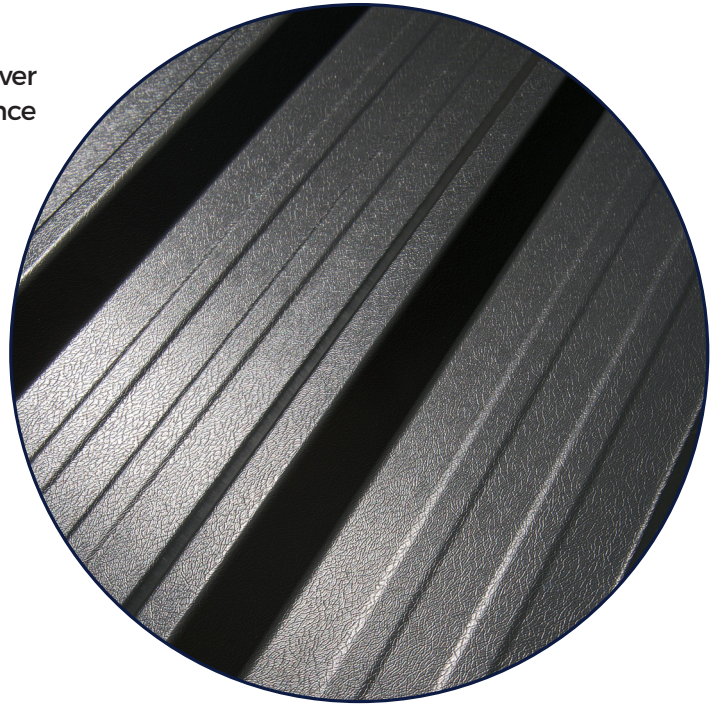
PVC Plastisol

Performance Overview

POSCO C&C Plastisol Overview

POSCO C&C's Plastisol offers a range of benefits over other pre painted products. It's durability, resistance to corrosion and advanced colour fastness allows for a performance warranty up to 30 years.

- 200µm Durable abrasion resistant topcoat
- Leathergrain embossed finish
- Extensive colour range
- Aluzinc substrate providing outstanding corrosion resistance
- 5 7µm primer reverse coat suitable for foam adhesion
- Excellent formability and durability
- Excellent colour stability
- Suitable for roof pitches down to 1
- Fire certified



	Test Results	Test Standards
Film Thickness	Ave. 200µm	EN 13523-1
Gloss (60°)	10-35%	EN 13523-2
Emboss	Leathergrain	
Abrasion resistance (CS-10, 1kg, 250rev)	10-15mg	EN 13523-16
Scratch resistance	> 5000g	EN 13523-12
Flexibility	T-Bend (OT, 16°C)	EN 13523-7
Reverse impact	18J	EN 13523-5
Salt Spray Resistance	1000 hours	EN 13523-8
Humidity Resistance	1500 hours	EN 13523-26
Internal Environment Classification	CPI5	EN 10169
Corrosion Resistance Category	RD5	EN 10169
UV Resistance Category	Ruv3	EN 10169
Fire Classification	C - s2, d0	EN 13051-1
Guarantee	Up to 30 years	

Plastisol Properties

Aluzinc Substrate

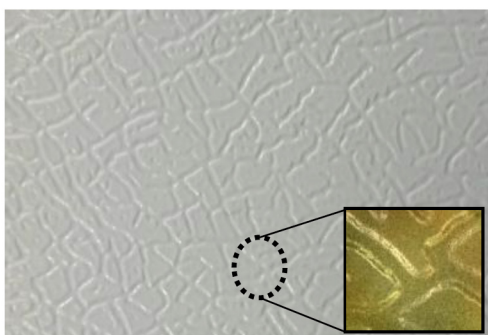
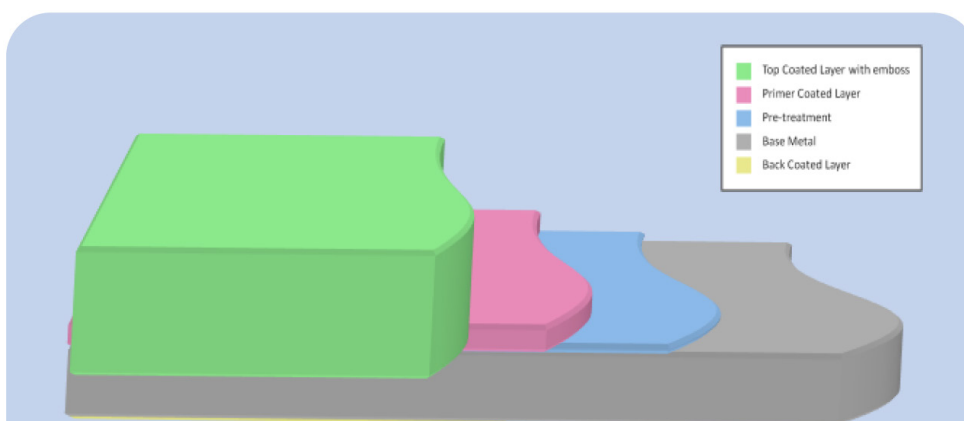
Plastisol is applied to a hot dipped 55% Al Zn alloy coated steel sheet. This provides a number of benefits:

- Boasts excellent corrosion resistance from both robust oxidation of aluminium, and the sacrificial cathodic protection of a zinc coating
- Maintains 3 to 6 times the durability of galvanised material in a range of corrosive environments
- Excellent formability, and durability at forming sections due to relatively small micro cracks in forming

PVC Coating

POSCO C&C's Plastisol coating has the resin preserving properties of plastic, which gives outstanding weather resistance, chemical resistance, and corrosion resistance.

- The paint layer can elongate up to 300% 400% without cracking, allowing for heavy processing and forming with high flexibility
- The plastisol applied consists of polyvinyl chloride based thermoplastic resins with short molecular chains for better UV resistance with advanced colour fastness
- Multi layer coatings are applied to Al Zn coated high tensile steel strip and oven cured to ensure optimum adhesion. This gives a sheet with excellent corrosion resistance and climatic protection together with abrasion resistance and high strength



- 200µm top coat
- Leathergrain emboss pattern
- Extensive range of colours
- 5-7µm epoxy back coat
- Suitable for foam adhesion