

PVC Plastisol
Datasheet and
Performance Overview

ROOFING
CLADDING & SHEETING

CLADCO
ROOFING

BOX PROFILE 32/1000 PVC Plastisol



Lighter with a lower profile and attractive appearance.

Cladco Profile 32/1000 trapezoidal, sometimes referred to as box profile single skin sheet gives robust sheet strength with 6 profiles of 200mm pitch across the sheet width and 32mm profile height. It's made from coated steel strip and gives 1000mm actual width cover when lapped.

Available in 0.7mm and 0.5mm sheet thickness, PVC Plastisol, Polyester paint finish and plain galvanised coated.

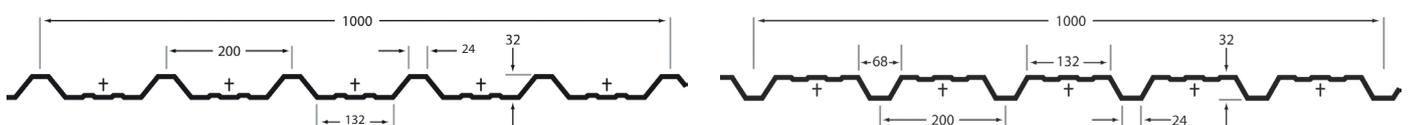
Uses of 32/1000 Box Profile PVC Roof Sheets:

Our PVC Plastisol coated roofing sheets can be used for a range of uses. Profile roofing sheets can be used as a single skin sheeting or overlaid on an existing roof or as part of a built-up insulated system.

Benefits of 32/1000 Box Profile Roofing Sheets:

These sheets are highly economical and robust profile can be manufactured to your specific length requirements. They have been independently tested in line with current CE EN 14782.

SPECIFICATIONS	
Applications	Wall or Roof (Vertical or Horizontal)
External Finish	PVC Plastisol
Internal Finish	Light grey Polyester
External Face	Profiled 32/1000, 32mm profile height, 200mm pitch centres
Standard Width	1000mm when lapped
Max Length	7m for 0.5mm thickness / 9m for 0.7mm thickness
Minimum Pitch	4 degrees
Gauge Thickness	0.5mm / 0.7mm
Weight	6.9kg/m ² approximately



PLEASE NOTE - Extra care should always be taken when handling metal sheets and flashings we advise using the correct type of Glove when handling or moving metal sheets and flashings.



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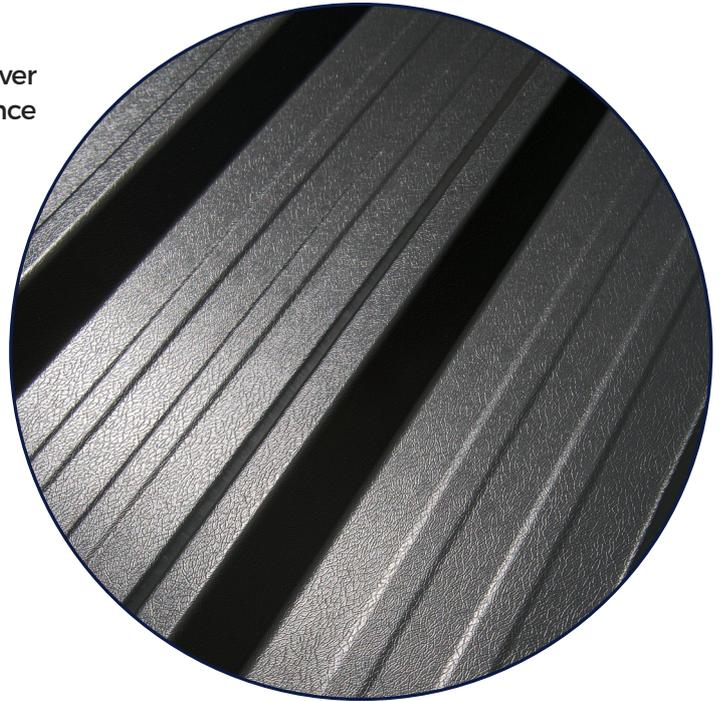
PVC Plastisol

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

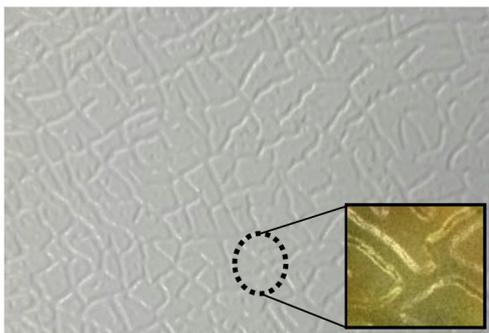
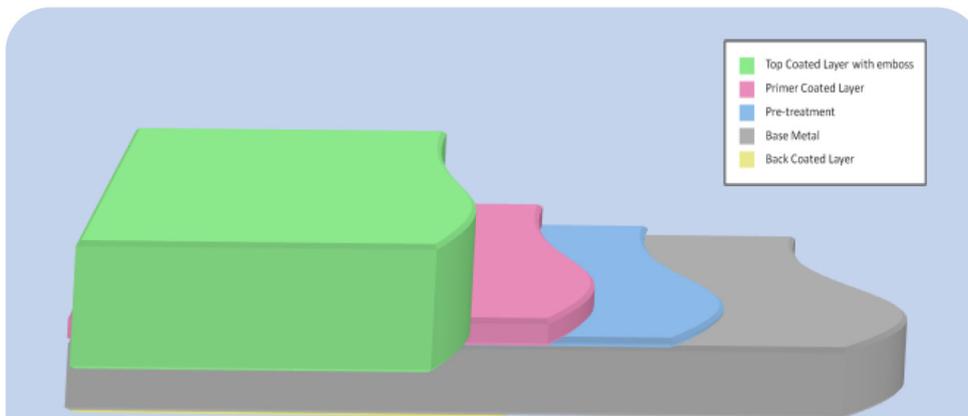
Plastisol is applied to a hot dipped 55% Al Zn alloy coated steel sheet. This provides a number of benefits:

- Boasts excellent corrosion resistance from both robust oxidisation of galvanised steel, 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