



**POSCO Coated&Color Steel Co.,Ltd**

**Seoul Office:**

748-4, Banpo-dong, Seocho-gu, POSCO SS&CC Tower 13F  
Seoul, Korea. 135-283  
Tel:82-2-2186-8888

**Head Office:**

470,Jang Heung Dong, Pohang City  
Gyeongsangbuk-Do, Korea  
Tel:82-54-280-6114

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## **WARRANTY OF PVC-SOL**

(PLASTISOL)

POSCO Coated & Color steel Co., Ltd.(hereinafter called “POSCO C&C”) hereby warrants that, subject to the provisions contained herein **Plastisol coated sheets (PVS)** shall meet the following standards ***for a period of 30years*** from the date of shipment from POSCO C&C.

*This guarantee does not satisfy all conditions. The terms of the guarantee in detail are in the table below.*

This guarantee applies to paint film adhesion of PVS products manufactured by POSCO C&C

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1. Product: PVS (Plastisol)
2. Coating Thickness(Front): Primer 7  $\mu\text{m}$  + PVS Top 193  $\mu\text{m}$
3. Base Metal: **Hot-Dip 55% Aluminium-Zinc Alloy Steel(AZ150)**  
**Hot-dip Galvanized Steel(Z275)**
4. Chemical Pretreatment: Right chromate pretreatment method
5. Regions: United Kingdom and Republic of Ireland
6. Applications Warrantied: Roof and Wall claddings produced from this product.
7. Warranty details ;

We hereby Warranty against flaking for the duration of the applicable period to first repainting on more than 5% of the surface of any single plain(i.e. one slope of the roof) of the building. The warranty period commences on the date of Building Site delivery, or 18months from the date of coating by the mill(POSCO C&C)- whichever occurs first. The length of the period to first full repainting varies according to the colour shade and the Building location. Under this guarantee the paint film adhesion is guaranteed until the point in time when when first full repainting would be expected as laid out in the following table 2 as well as the orientation of the different planes of the building as also set out in table2.

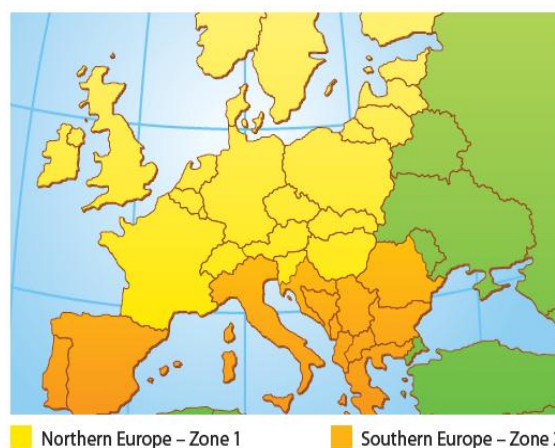
## 8. Warranty Terms

Items	Region	Colour	Roofs	Walls
Northern Europe	Inland	Class 1	30 Years	30 Years
		Class 2	20 Years	25 Years
	Coastal	Class 1	25 Years	25 Years
		Class 2	15 Years	20 Years
Southern Europe	Inland	Class 1	15 Years	15 Years
		Class 2	15 Years	10 Years
	Coastal	Class 1	8 Years	10 Years
		Class 2	8 Years	10 Years

\* Coastal means building locations within 2km from sea shoreline.

\* Class 1 : Light colors, Class 2 : Dark colors

Colours - Class 1	Nearest BS ref.	Colours - Class 2	Nearest BS ref.
Bamboo	08C35	Black	
Buttermilk	10C31	Cornflower Blue	
Goosewing	10A05	Country Green	00E53
Grey	RAL9002	Crimson	18E53
Ivory	18B25	Golden	RAL6011
Merlin Grey	12B21	Glow	RAL3004
Moorland Green	10B19	Golden Yellow	06E56
Mushroom	10B23	Forest Green	08E51
New Grey	12B27	Jade	RAL6002
Olive Green	18B17	Juniper Green	14C37
Pigeon Grey	18C37	Linden Green	12B29
Wedgewood Blue	00E55	Navy	12E53
White	12B17	New Red	RAL5003
Willow		Ocean Blue	04D44
Anthracite	RAL7016	Pacific Blue	18C39
Albatross	18B17	Poppy Red	18E58
		Saffron	04E53
		Sage Green	08E53
		Slate Blue	12D45
		Tangerine Orange	18B29
		Aztec Yellow	06E53
		Terracotta	10E55
		Vandyke Brown	04C39
			08B29



POSCO C&C reserves the rights to redefine such periods. The period valid for a particular building will be stated in the guarantee registration certificate and will correspond with the relevant period prevailing at the time of guarantee application.

# THE TERMS AND CONDITIONS OF THIS WARRANTY

## 1. Conditions

- 1.1 Any claim for a defect that arises during the guarantee period should be notified in writing as soon as it becomes evident and before the peeling off of any single plane exceeds 10% of the painted surface.  
Any claim that is not notified in writing within this period shall be deemed invalid.
- 1.2 The liability of POSCO Coated &Color Steel Co., Ltd. for any such claim is limited to the cost of labour and materials required to make good the defect.
- 1.3 All forming, cutting, transportation storage, and installation of the roofing sheets or panels should be carried out in accordance with good standards of practice, and in particular any storage of the product at a building site should not exceed one month, during which time the product should be kept dry and away from sources of wet or moisture.
- 1.4 Forming, fabricating and all processing should be carried out in such a way that does not cause cracks or scratches in the coatings.
- 1.5 Any protective film applied during processing or fabrication should be peeled off immediately after installation.
- 1.6 Lower pitched roof systems such as secret fix or standing seam that have a roof pitch of below 5°degrees but above 1°degree are included however it is imperative that water must be able to drain freely from all parts of the roof with no evidence of standing water at any point.
- 1.7 The panels of the Roof should not be exposed to a continuous temperature of more than 60°C.
- 1.8 Although the product is maintenance-free it is advisable that the Roof or Wall sections are inspected annually and any buildup of debris or other deposits are removed and the area cleaned with water and a neutral detergent(Ph 6-8) of less than 10% density and carried out using soft brushes. The surface should then be rinsed with clean water.

## 2. Limitations of the Warranty

- 2.1 This warranty is only valid for the exterior side of the coated material. It is not valid for the reverse side, nor for any sheets that have been overpainted or to which touch up paint has been applied.
- 2.2 Limited edge peel on this product is a normal event under climatic conditions such as acid rain or similar pollutants. If more than 10 mm is peeled off in a minimum 10% of the length of the sheet edges then a repair service will be underwritten by POSCO Coated &Color Steel Co., Ltd. and a ten year guarantee will be issued against this repair work. If peeling occurs at the edges due to corrosion then this same guaranteed repair will be carried out subject to the peel off being more than 10 mm from the cut edge, and providing the occurrence has been notified to us in writing at the earliest possible opportunity. If such notification is not made as soon as the peeling becomes evident then the claim will be considered invalid.

2.3 This warranty applies only when the product's end use is deemed as for normal circumstances and will not apply in case of the following severe conditions ;

Damage caused by Fire, Lightning, fallen objects, Mechanical impact, Explosion, War, Storm, Earthquake, Radiant Heat, or external causes including misuse or carelessness or damages caused by corrosive or heat sources. It also does not cover damage incurred during assembly, fabrication, installation, transportation of the coated sheets. It does not cover damage caused by degeneration of other materials, or damage caused by degrading gasses, smoke or chemicals, or by the roof location being in a location whereby there could be a buildup of debris or dust from quarrying or cement production or similar activities.

2.4 This Warranty will also not apply in any of the following conditions ;

- a) If water does not drain freely from all parts of the roof
- b) If the panel coating has been subject to a reverse bend (in case of bend-back coat exposed to the outside).
- c) If the coated panel has been damaged either mechanically or chemically.
- d) If water does not naturally flow off of the roof sheet.
- e) If inappropriate overlapping or fixings allow water to or other contaminants to exist.
- f) If the coated surface has been stored in close contact with any corrosive materials such as wet wood, timber or clay.
- g) If the coated surface has been exposed to water that contains ions of copper, lead, or other substances with similar contaminant effect.
- h) If inappropriate fastenings or fixings have been used so as to invite or cause dissimilar metal corrosion or abrasion.
- i) If manufacture, installation and maintenance have not been carried out in accordance with industry standards. In all areas of rain shadow where rain water does not have a natural cleaning effect, the surface of the panel should be cleaned at least once every year.
- j) Damage in such a part that could collect debris that would prevent the intended flow of water drainage.
- k) If the panel has been exposed to more than 60°C for a prolonged period of time.
- l) If the panel surface has been in such an environment that it frequently comes into contact with corrosive elements such as chemicals, ash, cement dust, animal waste.
- m) Non-registered building

### **3. Further points relevant to this Warranty**

3.1 The product is subject to improvement and modification from time to time and later versions of this Warranty may be written accordingly to take account of such changes.

3.2 POSCO Coated & Color Steel Co., Ltd. reserves the right to decide the most appropriate way to repair the damage.

3.3 The colours of any repairs under this Warranty are not guaranteed to match the original coating

shade, this is primarily due to ageing that may have taken place to the paint colour shade.

- 3.4 Any guarantee on repairs carried out under this Warranty shall be for a period that amounts to the remaining amount or period of time left on the original Warranty, and such repairs will not extend the original Warranty beyond that time period .
- 3.5 No repairs or alterations whatsoever will be covered by this Warranty unless specifically confirmed and approved in writing by POSCO Coated &Color Steel Co., Ltd.
- 3.6 Any complaints about matters arising from this Warranty, or from this product unless specifically covered by this Warranty and its Terms and Conditions will be considered and dealt with in good faith by POSCO Coated &Color Steel Co., Ltd.

POSCO Coated&Color Steel Co.,Ltd

A handwritten signature in black ink, appearing to be a stylized name or initials, positioned above a horizontal line.

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Leader of Quality Technical Group