

## TECHNICAL DATA SHEET POLYURETHANE POWDER COATINGS (PU series)

### GENERAL INFORMATION:

POLYURETHANE POWDER COATINGS (PU series): Are characterized by excellent surface extension and they are obtained by a combination between a hydroxylated polyester resin and an isocyanate hardener. These powder coatings have excellent UV and weathering resistance without chalking of the film, thus, they are particularly suitable for outdoor products.

### KEY PROPERTIES:

Weather resistance	Excellent
Particle size distribution (Um)	3 - 100
Coverage (s.q.m/kg)	Approx 8
Specific gravity g/cm <sup>3</sup>	1.3 - 1.8
Baking conditions (*) (object temperature)	200 <sup>0</sup> C – 10'

### MECHANICAL TESTS:

Flexibility (ISO 6860)	Pass 3mm
Adhesion (ISO 2409)	Pass 2mm
Hardness (ISO 1518)	Pass
Impact (ISO 6272)	Pass 2.5mm Front & Back
Salt spray (ISO7253)	200hrs Pass

### PRETREATMENT:

Metal surfaces to be coated must be clean and free from grease. Iron phosphate and particularly lightweight zinc phosphating of ferrous metals improves corrosion resistance.

Aluminium substrates may require a chromate conversion coating.

### PACKING INFORMATION:

Product ID	PU series
Container	Cartonbox with PE liner
Net weight	25Kgs
Storage	Dry and cool areas below 25 <sup>0</sup> C
Shelf life	12 months

### APPLICATIONS:

Our PU series powder coatings can be used with Corona type spraying system and it is completely adapted with all indoor coating purposes include

- Car accessories
- Agricultural machinery
- Steel structure
- Garden Tools
- Light Fixtures
- Power Tools
- Shelving
- Tool Boxes

## HEALTH AND SAFETY DATA

Before using this product please consult our Material Safety Data Sheet (MSDS) for information on safe handling and storage. MSDS's can be found on the company website at [www.powdercoating.vn](http://www.powdercoating.vn)



*(\*) Object temperature, baking conditions can be adjusted base on specific type of colors or surface effect. Improperly cure the coated film might lead to difference in color, gloss and other deterioration of coating properties. See TDS for detailed instruction.*

*NOTE: The information herein is currently believed to be accurate. We do not guarantee its accuracy. Purchasers shall review statements on specific products and/or should make their own investigations to determine if such products are suitable for a particular use.*