

Corro-Coat PE Series 7

Product description: Corro-Coat PE Series 7 is based on polyester/TGIC. Products in this series are developed with the primary objective of combining protective qualities with good weather resistance and a high quality finish.

Application areas: Powder coatings within Series 7 are particularly well suited for products destined for outdoor use. Typical usage being agricultural machinery, automotive parts and accessories, bicycles, building requirements, garden furniture and lighting apparatus/fixtures.

Corro-Coat PE Series 7 is also recommended for indoor accessories where gloss and colour stability both in application and use are primary demands. Corro-Coat PE Series 7 can also be successfully applied to other ferrous and non-ferrous bases.

Special products are also available for use on porous bases.

Pre-treatment: The overall quality of the coating system is largely dependent on pre-treatment and the surface of the metal. Type and method of pre-treatment must relate to the finished product's definitive use.

For further details refer Jotun Powder Coatings brochures.

General technical properties:

- Excellent weather resistance.
- Excellent resistance to chalking from UV exposure.
- Excellent mechanical properties.
- Limited resistance to alkalines and solvents
- Excellent gloss and colour stability from effects of heat
- Excellent flow and finish
- Gloss (60°): 20-95

Storage conditions: Keep in cool dry area.
Max 25°C / relative humidity 60%

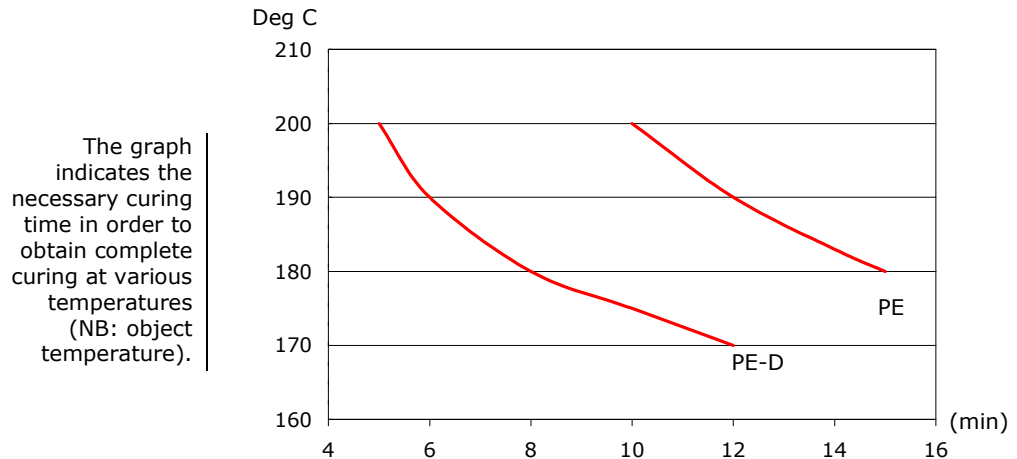
Colour selection: All colours are available to order.

Powder application: Corro-Coat PE Series 7 is available for corona and friction charged spray equipment

Curing requirements: Corro-Coat PE, apart from standard curing is also supplied in rapid curing "D" quality.

Corro-Coat PE Series 7

Curing requirements: Corro-Coat PE, apart from standard curing is also supplied in rapid curing "D" quality.



Technical data

Typical values for powder coating on degreased, cold rolled steel. Values will vary with colour, gloss, texture etc. Typical values when tested. Need not necessarily be of current revision.

	STANDARD	POLYESTER (PE)		STANDARD	POLYESTER (PE)
Film thickness, microns		60	Adhesion	DIN - EN ISO 2409-2mm	Gt0 - no loss of adhesion
Impact resistance - front (inch-pounds)	ASTM D 2794 5/8" ball	60-160	Weather resistance		Excellent
Erichsen cupping test (mm)	DIN - EN ISO 1520	5-10	Heat resistance		Excellent
Bend test (mm)	DIN - EN ISO 1519	3-12	Corrosion protection (zinc phosphated steel)	Salt spray 1000 h. ASTM B117-73	Excellent
Pencil hardness	-	HB - 2H	UV resistance (colour and gloss stability)		Excellent
Hardness a. Buchholz	DIN - EN ISO 2815	70-90	Density (kg/dm ³)		1.2 - 1.7

Note:

The information on this product data sheet, is given to the best of our knowledge, based on laboratory testing and practical experience. However, as the product is often used under conditions beyond our control, we cannot guarantee anything but the quality of the product itself.

Jotun Powder Coatings reserve the right without notice to alter or change the technical data.

Issued:

September 1998

THIS DATA SHEET SUPERSEDES THOSE PREVIOUSLY ISSUED.

Corro-Coat PE Series 7

Chemical properties

At room temperature

POLYESTER		POLYESTER	
Seawater	Excellent	Petroleum	Excellent
Tap water	Excellent	Crude oil	Excellent
Distilled water	Excellent	Edible oil	Excellent
Sodium chloride 2%	Excellent	Refined petrol (gasoline)	Excellent
Sodium chloride 20%	Excellent	Turpentine	Excellent
Sulphuric acid 20%	Excellent	High octane petrol	Limited
Hydrochloric acid 10%	Limited	Toluene	Limited
Hydrochloric acid, conc.	Excellent	Xylene	Limited
Nitric acid 3%	Limited	Ethyl alcohol 96%	Excellent
Nitric acid 10%	Limited	Butanol	Excellent
Nitric acid 30%	Little	Isopropyl alcohol	Excellent
Phosphoric acid 4%	Excellent	Glycerol	Excellent
Phosphoric acid 10%	Excellent	Cyclohexanone	Little
Phosphoric acid 43%	Excellent	Acetone	Limited
Sodium hydroxide 5%	Little	Methyl-ethyl ketone	Little
Sodium hydroxide 30%	Little	Ethyl acetate	Limited
Acetic acid 10%	Excellent	Trichlorethylene	Little
Acetic acid, conc.	Little	Sodium bi-chromate	Excellent
Na-hypochlorite, dilute	Little	Hydrogen peroxide 3%	Excellent
Lactic acid 10%	Excellent	Phenol	Little
Citric acid 10%	Excellent	Urea	Excellent
Ammonia 10%	Little		
Ammonia, conc.	Little		
Sodium carbonate 10%	Excellent		

Legend:

	Excellent resistance
	Limited resistance
	Little or no resistance