

# Interpon TC

**Product Description:** **Interpon TC** is a range of polyester based powder coatings, formulated without the use of TGIC. The range offers good light and weather resistance and is capable of either corona or tribostatic application.

<b>Powder Properties:</b>	<b>Chemical type</b>	Polyester
	<b>Particle size</b>	Suitable for Tribo and Corona application
	<b>Specific gravity</b>	1.5±0.2g/cm <sup>3</sup> (Depending on colour)
	<b>Storage</b>	Dry cool conditions below 30°C
	<b>Shelf life</b>	18 months
	<b>Sales Code</b>	M-series
	<b>Stoving schedule</b>	20 minutes at 180°C 15 minutes at 190°C 10 minutes at 200°C

**Test Conditions:** The results shown below are based on mechanical and chemical tests which (unless otherwise indicated) have been carried out under laboratory conditions and are given for guidance only. Actual product performance will depend upon the circumstances under which the product is used.

	<b>Substrate</b>	Gold Seal lightweight steel	
	<b>Pretreatment</b>	Zinc phosphate	
<b>Mechanical Tests:</b>	<b>Film Thickness</b>	60 microns	
	<b>Stoving</b>	15 minutes at 190°C	
	<b>Adhesion</b>	ISO2409	0
		(2mm Crosshatch)	
	<b>Erichsen Cupping</b>	ISO1520	Pass > 7mm
	<b>Hardness (Buchholz)</b>	ISO2815	> 80
	<b>Impact</b>	ECCA T5	Pass 2.5 joules
		(2.5J direct/indirect)	
<b>Chemical and Durability Tests:</b>	<b>Flexibility</b>	ISO1519	Pass 3 mm
		(Conical Mandrel)	
	<b>Salt Spray</b>	ISO7253	Pass – no corrosion creep
		250 hours	more than 2mm from scribe
	<b>Cyclic Humidity</b>	DIN 50017	Pass – no blistering or loss
		(1000 hours)	of gloss
	<b>Chemical Resistance</b>	Generally good resistance to acids, alkalis and oils at normal temperatures.	
	<b>Accelerated Weathering Test</b>	ASTM G53-93 (313nm lamp, 55°C 4 hours UV/ 4 hours condensation cycle)	50% Gloss retention after 200 hours

# Interpon TC

---

**Pretreatment:** Aluminium, Steel or Zintec 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

---

**Application:** **Interpon TC** powders can be applied by manual or automatic electrostatic or tribocharging spray equipment.

It is recommended that powder coating is applied to a thickness of between 60 – 110 microns.

Unused powder can be reclaimed using suitable equipment and recycled through the coating system.

---

**Safety Precautions:** When using do not eat, drink or smoke. Do not breathe the dust. In case of insufficient ventilation wear suitable respiratory equipment. For further information please refer to the specific product Material Safety Data Sheet (MSDS).

---

**Disclaimer:** The information given in this sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. Whilst we endeavour to ensure that all advice we give about the product (whether in this sheet or otherwise) is correct we have no control over either the quality or condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage (other than death or personal injury resulting from our negligence) arising out of the use of the product. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.