

Product Data Sheet

	AkzoNobel Powder Super-Durable Pow Interpon® ACE 200	vder Coating		
Product Description	Interpon® ACE 2000 is a series of super-durable polyester TGIC powder coatings designed for exterior exposure and for use as a decorative and/or functional coating for agricultural and construction equipment and components. Tested against the most severe specifications, Interpon® ACE 2000 coatings provide significantly improved gloss retention and resistance to color change.			
Powder Properties	Particle size	Suitable for electrostati	c spray	
	Chemical type	Polyester TGIC		
	High Gloss (60°)	≥ 80%		
	Satin Gloss (60°)	≥ 40% to ≤ 70%		
	Orange Peel	6 min (ACT ref. Panels)		
	Density	1.2 – 1.8 g/cm ³ Depending on Color		
	Storage	Dry cool conditions (<80°F, <25°C)		
	Shelf life	12 months, typical		
	Cure Schedule	15-30 minutes at 350°F (180°C)		
	(object temperature)	10-25 minutes at 375°F (190°C)		
		8-20 minutes at 390°F (200°C)		
Test Conditions		are based on mechanical	and chemical tests which (unless otherwise	
Test Conditions	The results shown below indicated) have been carr	are based on mechanical ied out under laboratory c	and chemical tests which (unless otherwise onditions and are given for guidance only. Actua ances under which the product is used.	
Fest Conditions	The results shown below indicated) have been carr product performance will	are based on mechanical ied out under laboratory c depend upon the circumst Cold Rolled Steel	onditions and are given for guidance only. Actua ances under which the product is used.	
Fest Conditions	The results shown below indicated) have been carr product performance will Substrate	are based on mechanical ied out under laboratory c depend upon the circumst Cold Rolled Steel Iron Phosphate (B1000	onditions and are given for guidance only. Actua	
Test Conditions	The results shown below indicated) have been carr product performance will Substrate Pretreatment	are based on mechanical ied out under laboratory co depend upon the circumst Cold Rolled Steel Iron Phosphate (B1000 60-90 µm	onditions and are given for guidance only. Actua ances under which the product is used.	
	The results shown below indicated) have been carr product performance will Substrate Pretreatment Film Thickness	are based on mechanical ied out under laboratory c depend upon the circumst Cold Rolled Steel Iron Phosphate (B1000 60-90 µm 20 minutes at 305°F (1 Method	onditions and are given for guidance only. Actua ances under which the product is used.	
	The results shown below indicated) have been carr product performance will Substrate Pretreatment Film Thickness	are based on mechanical ied out under laboratory c depend upon the circumst Cold Rolled Steel Iron Phosphate (B1000 60-90 µm 20 minutes at 305°F (1	onditions and are given for guidance only. Actua ances under which the product is used.)) or Zinc Phosphate (B952) 80°C) (object temperature)	
	The results shown below indicated) have been carr product performance will Substrate Pretreatment Film Thickness Cure Schedule	are based on mechanical ied out under laboratory c depend upon the circumst Cold Rolled Steel Iron Phosphate (B1000 60-90 µm 20 minutes at 305°F (1 Method	onditions and are given for guidance only. Actua ances under which the product is used.)) or Zinc Phosphate (B952) 80°C) (object temperature) Result	
Fest Conditions Mechanical Tests	The results shown below indicated) have been carr product performance will Substrate Pretreatment Film Thickness Cure Schedule Adhesion Hardness Impact Resistance	are based on mechanical ied out under laboratory c depend upon the circumst Cold Rolled Steel Iron Phosphate (B1000 60-90 µm 20 minutes at 305°F (1 Method ASTM D3359	onditions and are given for guidance only. Actua ances under which the product is used.)) or Zinc Phosphate (B952) 80°C) (object temperature) Result 5B	
	The results shown below indicated) have been carr product performance will Substrate Pretreatment Film Thickness Cure Schedule Adhesion Hardness	are based on mechanical ied out under laboratory co depend upon the circumst Cold Rolled Steel Iron Phosphate (B1000 60-90 µm 20 minutes at 305°F (1 Method ASTM D3359 ASTM-D3363 (Gouge)	onditions and are given for guidance only. Actual ances under which the product is used. b) or Zinc Phosphate (B952) 80° C) (object temperature) Result <u>5B</u> \geq H	
Mechanical Tests	The results shown below indicated) have been carr product performance will Substrate Pretreatment Film Thickness Cure Schedule Adhesion Hardness Impact Resistance Elongation - Conical	are based on mechanical ied out under laboratory c depend upon the circumst Cold Rolled Steel Iron Phosphate (B1000 60-90 µm 20 minutes at 305°F (1 Method ASTM D3359 ASTM-D3363 (Gouge) ASTMD2794	onditions and are given for guidance only. Actual ances under which the product is used.)) or Zinc Phosphate (B952) 80°C) (object temperature) Result 5B \geq H \geq 40 Direct / \geq 20 Reverse (in*lb)	
Mechanical Tests	The results shown below indicated) have been carr product performance will Substrate Pretreatment Film Thickness Cure Schedule Adhesion Hardness Impact Resistance Elongation - Conical Mandrel	are based on mechanical ied out under laboratory c depend upon the circumst Cold Rolled Steel Iron Phosphate (B1000 60-90 µm 20 minutes at 305°F (1 Method ASTM D3359 ASTM-D3363 (Gouge) ASTMD2794 ASTM D522	onditions and are given for guidance only. Actual ances under which the product is used. ances under which the product is used. b) or Zinc Phosphate (B952) 80° C) (object temperature)	
Nechanical Tests	The results shown below indicated) have been carr product performance will Substrate Pretreatment Film Thickness Cure Schedule Adhesion Hardness Impact Resistance Elongation - Conical Mandrel Salt Spray	are based on mechanical ied out under laboratory c depend upon the circumst Cold Rolled Steel Iron Phosphate (B1000 60-90 µm 20 minutes at 305°F (1 Method ASTM D3359 ASTM-D3363 (Gouge) ASTMD2794 ASTM D522	onditions and are given for guidance only. Actua ances under which the product is used. D) or Zinc Phosphate (B952) 80°C) (object temperature)	
	The results shown below indicated) have been carr product performance will Substrate Pretreatment Film Thickness Cure Schedule Adhesion Hardness Impact Resistance Elongation - Conical Mandrel Salt Spray Cyclical Corrosion	are based on mechanical ied out under laboratory c depend upon the circumst Cold Rolled Steel Iron Phosphate (B1000 60-90 µm 20 minutes at 305°F (1 Method ASTM D3359 ASTM-D3363 (Gouge) ASTMD2794 ASTM D522 ASTM B117 SAE J2334	onditions and are given for guidance only. Actua ances under which the product is used. D) or Zinc Phosphate (B952) 80°C) (object temperature)	



Super-Durable Powder Coating Interpon® ACE 2000

	Chemical Resistance	ASTM D870	Good immersion resistance to water, diesel fuel, engine oil, gasoline, and engine coolant.		
	Stability at Elevated temperatures		No significant change in color or gloss after 100% overbake.		
Pre-treatment	Aluminum, steel or Zinc surfaces to be coated must be clean and free from grease. Iron phosphate and particularly lightweight zinc phosphating of ferrous metals improves corrosion resistance. Aluminum substrates may require a chromate or non-chromate conversion coating.				
Application	Interpon® ACE 2000 powders can be applied by manual or automatic electrostatic spray equipment. It is recommended that for consistent application and appearance the product be fluidized during application. Unused powder can be reclaimed using suitable equipment and recycled through the coating system. For more detailed information please contact AKZO NOBEL technical service people.				
Additional Information	Interpon® ACE 2000 super durability powder is an economical and environment friendly coating. Comparing to common outdoor use powder coating, it provides better anti-corrosion performance, color stability and gloss retention after exposure. In serious application environment, a primer is necessary. However, performance is still influenced by substrate & pretreatment type and film thickness uniformity.				
Safety Precautions	not be used without refere provided to its customer. immediately available the When using, do not eat, c dust or of the vapors resu should contact occur, was clean water and seek me with an electric spark or o	ence to the relevant h If for any reason a co user should contact drink or smoke. All du ulting from the cure sh sh skin with soap and dical advice. Dust clo open flame. Dust and quipment should be u	sional applicators in industrial environments and should health and safety data sheet which AkzoNobel has how of the relevant health and safety data sheet is not AkzoNobel to obtain a copy before using the product. sts are respiratory irritants. Therefore, inhalation of the hould be avoided. Take steps to prevent skin contact, but I water. In case of eye contact flush immediately with uds of any finely divided organic material can be ignited powder should not be allowed to build up on surfaces or sed which has provision for adequate explosion release. prevent build up of static.		
Disclaimer	present state of our knowle than that specifically recom from us as to the suitability responsibility of the user to legislation. Always read the advice we give or any state correct to the best of our k or the many factors affectin Therefore, unless we speci performance of the produc supplied and technical adv request a copy of this docu	edge and on current la nmended in the techni y of the product for the o take all necessary st e Material Data Sheet : ement made about the nowledge but we have ng the use and applica fically agree in writing t or for any loss or da vices given are subject ument and review it ca m time to time in the li	sheet is not intended to be exhaustive and is based on the ws: any person using the product for any purpose other ical data sheet without first obtaining written confirmation e intended purpose does so at his own risk. It is always the eps to fulfill the demands set out in the local rules and and the Technical Data Sheet for this product if available. All product by us (whether in this data sheet or otherwise) is a no control over the quality or the condition of the substrate ation of the product. g otherwise, we do not accept any liability whatsoever for the mage arising out of the use of the product. All products to our standard terms and conditions of sale. You should refully. The information contained in this data sheet is ght of experience and our policy of continuous ify that this data sheet is current prior to using the product.		
	Brand names mentioned in	this data sheet are tra	ademarks of or are licensed to AkzoNobel		

Akzo Nobel Powder Coatings S.p.A. Via S. Pellico 22100 – Como Italy T +39 (0)31 345 111 F +39 (0)31 345 34 <u>www.interpon.com</u>

Copyright © 2014 Akzo Nobel Powder Coatings Ltd. Interpon is a registered trademark of AkzoNobel Interpon ACE 2000 - Issue 1 Issued: [02/09/12] Revision Date: [02/09/12]