

Product Data Sheet

AkzoNobel Powder Coatings

Interpon A2201 YN1117 VOLVO BLACK

Product Description	<p>Interpon A2201 powders can be used for pillars and appliqué, roof racks, grille guards, bumpers, hitches, mirror housings, and wiper arms that all require protection from the environment as well as being visually harmonious with the overall design of a vehicle. Interpon A2201 powders are super durable (> two years Florida) and answer to the requested performance level specified by the OEMs. They are also chemical and corrosion resistant, protective against chipping from road debris, hardened against scratches, but flexible enough to handle always changing environmental cycles.</p>		
Powder Properties	Chemical type	Polyester TGIC Free	
	Appearance	Smooth	
	Gloss level (Gardner 60°)	60 +/- 5 units	
	Recommended Film thickness	2.5 – 3.5 mils	
	Specific gravity	1.37 +/- 0.05 g/cm ³	
	Coverage @ 1.0 mil	140 sq. ft/lb./mil	
	Storage	Maximum 80°F	
	Shelf life	12 months, typical	
	Curing schedule (at object temperature)	10 minutes at 400°F 15 minutes at 375°F 30 minutes at 350°F	
Mechanical Tests	Flexibility	ASTM D522	1/4" or better
	Adhesion	ASTM D3359	5B
	Impact resistance (Direct)	ASTM D2794	80 in.-lbs.
	Hardness	ASTM D3363	2H
Environmental and Durability Tests	Neutral Salt Spray	ASTM B117	<7/32" creep, no blisters, at 2000 hrs
	Humidity	ASTM D2247	No Change at 4000 hours
	Xenon Weathering	SAE J2527	Gloss retention (60°): ≥ 70% Color change (ΔE): < 3.0
	Exterior Durability		Yes
Test Conditions	Testing has been determined under laboratory conditions using the following application properties and is for guidance only.		
	Substrate	CRS or Aluminum	
	Pretreatment	Iron Phosphate (B1000) or Zinc Phosphate (B952) for CRS. Chromate conversion for Aluminum.	
	Film thickness	2.5 – 3.5 mils	
	Cure schedule	15 minutes at 375°F	
Actual film performance will depend on the individual circumstances in which the product is used.			
Pre-treatment	Steel surfaces to be coated must be clean and free from grease. For maximum protection,		

it is essential to pre-treat components prior to the application of **Interpon A2201**. Iron phosphate and zinc phosphate of ferrous metals improve corrosion resistance.

Aluminum substrate may require a conversion coating.

Application	Interpon A2201 powders can be applied by manual or automatic electronic spray equipment. It is recommended that for consistent application and appearance product be fluidized during application. Unused powder can be reclaimed using suitable equipment and recycled through the coating system.
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Additional Information	Interpon A2201 powders have up to 5 years of Florida exposure with good gloss and color stability.
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YN1117 is the US version of YN760D.

Tested to Volvo Standard 121-0001/Y600-3.

Key Product Attributes

Safety Precautions	Please consult the Safety Datasheet (SDS).
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Disclaimer	IMPORTANT NOTE: The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data 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. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. Always read the Material Data Sheet and the Technical Data Sheet for this product if available. All advice we give, or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product.
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Product Name: **YN1117**

Last Revision Date: **03/24/2020**

Revision Number: **3**

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