

Interpon Autowheel

High Durability Clear

Product Description: Interpon Autowheel High Durability Clear is an enhanced durability clear coating designed for anti-corrosive and decorative protection of aluminium alloy wheels.

Powder Properties:	Colour	Clear
	Gloss	>95% (20° head) ASTM D523-89
	Distinction of image	Acceptable
	Particle size	Suitable for electrostatic spray
	Specific gravity	1.20 ± 0.20 g/cm ³
	Storage	Dry cool conditions below 25°C
	Sales Code	QZ-Series
	Stoving schedule (object temperature)	15 mins 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.

Substrate	0.7mm aluminium
Pretreatment	Chromate (eg. Bonderite 711)
Film Thickness	60-70 microns

Mechanical Tests:	Conical Mandrel	ISO6860	Pass 3mm
	Erichsen	ISO1520	Pass 6mm
	Impact	ASTM D.2794	Pass 20kg.cm forward and reverse
	Adhesion	DIN 53151	Pass Gt 0
	Chip Resistance	SAE J400	Max. rating 3B

Chemical Tests:	Salt Spray	ISO7253 (1000 hrs)	<3mm creep
	Water Resistance	FLTM BI-104-01 240 hours 32±1°C	No change
	Acid Resistance	MS82-B101 8 hours 10% H ₂ SO ₄	No change
	Soap Resistance	463PB-08-01 2ml, 4 hours 70°C	No change
	Petrol Resistance	GM4465P/9501P 24 hours humidity 20 immersions (10s)	No colour change, coating removal, lifting or peeling
	Heat Resistance	MES - MN600F 240 hours 80±2°C	Gloss retention >90%, colour change ΔE ≤3

Weathering Tests:	Xenon Arc	SAE J1960	>75% gloss retention after 2000 kJ/m ² test.
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Pretreatment:	For more information regarding specific substrates and applications for Interpon Autowheel High Durability Clear contact Akzo Nobel.
Application:	Interpon Autowheel High Durability Clear can be applied by manual or automatic electrostatic spray equipment. Unused powder can be reclaimed using suitable equipment and recycled through the coating system.
Safety Precautions:	This product is intended for use only by professional applicators in industrial environments and should not be used without reference to the relevant health and safety data sheet which Akzo Nobel has provided to its customer. If for any reason a copy of the relevant health and safety data sheet is not immediately available the user should contact Akzo Nobel to obtain a copy before using the product. Minimum safety precautions in dealing with all powder coatings are as follows: All dusts are respiratory irritants. Therefore, inhalation of the dust or of the vapours resulting from the cure should be avoided. Take steps to prevent skin contact, but should contact occur, wash skin with soap and water. In case of eye contact flush immediately with clean water and seek medical advice. Dust clouds of any finely divided organic material can be ignited with an electric spark or open flame. Dust and powder should not be allowed to build up on surfaces or ledges. Dust collection equipment should be used which has provision for adequate explosion release. All equipment should be electrically earthed to prevent build up of static. Users are recommended to follow the guidelines laid down in the "Code of Safe Practices" issued by the British Coatings Federation, copies of which are available on request.

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.