

# Interpon Autopart

# Brake Pipes

**Product Description:** A series of powder coatings designed for use on automotive brake and fuel lines. Coatings are specifically designed to be highly flexible chemically resistant coatings.

<b>Powder Properties:</b>	<b>Gloss</b>	>85% (60° head) ASTM D523-89
	<b>Particle size</b>	Suitable for tribo application
	<b>Specific gravity</b>	1.2-1.5 g/cm <sup>3</sup> depending on colour
	<b>Storage</b>	Dry cool conditions below 25°C
	<b>Sales Code</b>	T-series
	<b>Stoving schedule</b>	Dependent on line application

**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>	Steel
<b>Pretreatment</b>	Zinc electrogalv
<b>Film Thickness</b>	70-80 microns

<b>Mechanical Tests:</b>	<b>Bending Resistance</b>	16mm cylindrical mandrel spiral	No loss of adhesion
	<b>Fatigue Resistance</b>	Fracture bend	No loss of adhesion
	<b>Widening-Flaring</b>	20% enlargement of diameter	No loss of adhesion
	<b>Cyclic Test (10 cycles)</b>	3 hours at 90°C	No cracking, blistering or loss of gloss
		1 hour at ambient	
3 hours at -40°C			
1 hour at ambient			
	16 hours humidity (40°C)		

<b>Chemical and Tests:</b>	<b>Brake Fluid Resistance</b>	5 mins at 28°C (24 hours drying)	No softening
	<b>MEK Resistance</b>	60 seconds contact	No softening
	<b>H<sub>2</sub>SO<sub>4</sub> Resistance</b>	24 hours immersion in 32% H <sub>2</sub> SO <sub>4</sub>	No softening, blisters or loss of gloss
	<b>Petrol Resistance</b>	72 hours immersion	No softening, blisters or loss of gloss
	<b>Oil Resistance</b>	60 minutes Immersion in SAE 20 HD oil at 23°C (24 hours drying)	No softening

<b>Corrosion Tests:</b>	<b>Hot Salt Spray</b>	600 hours	No visible rust
	<b>CASS Test (5 cycles)</b>	16 hours immersion	No visible oxides, staining, blisters or holes
		8 hours ambient	

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<b>Pretreatment:</b>	For more information regarding specific substrates and applications for <b>Interpon Autopart</b> contact Akzo Nobel.
<b>Application:</b>	<b>Interpon Autopart</b> can be applied by manual or automatic electrostatic or tribostatic spray equipment. Unused powder can be reclaimed using suitable equipment and recycled through the coating system.
<b>Safety Precautions:</b>	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.

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**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.