

Product Data Sheet

Akzo Nobel Powder Coatings

Interpon 610

SLJ16RL I536-7016

Product Description

Interpon 610 is a high-performance powder coating system for interior and exterior coatings. The product is characterized by its very good color stability at different stoving temperatures and its excellent resistance to UV light. The system offers excellent coverage, also on critical edges. The quality contains an outgassing additive for galvanized substrates. Fields of application include agricultural machinery, aluminium parts, galvanized fences, garden furniture as well as motor vehicle parts.

Properties

Chemical type	polyester resin (not subject to labeling)
Color shade	RAL 7016
Surface	smooth
Gloss 60°	glossy, 84 GU (+/-4)
Specific gravity	~ 1,4 - 1,7 g/cm ³
Storage	dry and cool storage at temperatures up to +25 °C
Shelf life	approx. 24 months in original boxes

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.

Film thickness	60 - 80 µm
Curing schedule	15 min, 200 °C (Object temperature)

Mechanical Tests

Substrate	0,8 mm aluminum sheet, chromated, 60-80 µm film thickness		
Bending impact	(DIN EN ISO 1519)	Mandrel, 5 mm	no cracks
Adhesion test	(DIN EN ISO 2409)	1 mm cross hatch	GT0
Cupping test	(DIN EN ISO 1520)	Erichsen	5 mm
Impact resistance	(DIN EN ISO 6272)	≥ 20in Lb	good on both sides

Chemical Tests

Acetic Acid Salt spraying test	(DIN EN ISO 9227)	<16mm ² Korrosion/10cm 1000 h
Climatic chamber test	(DIN EN ISO 6270-2)	1000 h without loss of surface protection
Kesternich test	(DIN EN ISO 3231)	Pass 30 cycles– no blistering, loss of gloss or discoloration
QUV-B-Test (313 nm)	(ISO11507:1997)	300 h with a max. gloss loss of <50 % from initial value.

Interpon 610 SLJ16RL I536-7016

Pre-treatment

All pre-treated workpieces made of aluminum, aluminum alloy, steel and hot-dip galvanized steel are suitable.

The surface preparation is decisive for the durability of all coating systems. The substrates must be solid, clean, free of rust, scale, grease, wax, silicone, dust and oil.

Aluminum chromating or chrome-free pre-treatment

Steel blasting, iron phosphating, zinc phosphating

Galvanized steel sweep blasting, chromating, zinc phosphating

Application

All common electrostatic and TRIBO guns are suitable (automatic and manual operation).

Recoatability

The product can be recoated with itself (preferably TRIBO)

Curing Schedule

15-30 min 180 °C

12-25 min, 190 °C

10-20 min, 200 °C

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 customers.

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 fulfill 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.

Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advices given are subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

Brand names mentioned in this data sheet are trademarks of or are licensed to AkzoNobel.