

Interpon 620 Shimmer

Product Data Sheet

Product Description: **Interpon 620 Shimmer (OW110F)** is a TGIC-free polyester powder coating designed to achieve a smooth gloss metallic finish from a single coat over a variety of substrates. (Note: The nature and quality of the substrate can cause differences in the shade of the final coating.)

OW110F has been formulated for both interior and exterior environments. However, in aggressive environments it is recommended that a clear topcoat, such as **Interpon Supaclear VP188**, be applied to protect the metallic finish.

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| Powder properties*: | Chemical type | Polyester (TGIC free) |
| | Appearance | Smooth metallic (gloss 55-75%) |
| | Particle size | Suitable for electrostatic spray |
| | Specific gravity | 1.3 |
| | Storage | Dry cool conditions (below 30°C) |
| | Shelf Life | 24 months |
| | Sales code | OW110F |
| | Stoving Schedule | 15 to 30 mins at 180°C or 8 to 16 mins at 200°C or 5 to 10 mins at 210°C (Object temperature) |
| | Recommended Film Thickness | 70 – 90 microns |

Film properties: Mechanical tests carried out on degreased aluminium panels of 0.6mm thickness. All tests are performed on panels coated with 60 - 80 microns of powder coating that has been stoved for 10 minutes at 200°C (object temperature).

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| Mechanical tests*: | Cylindrical Bend | ISO 1519 | Pass 4mm |
| | Conical Bend | ISO 6880 | No cracking |
| | Adhesion | (crosshatch) ISO 2409 | Classification 0 |
| | Cupping Test | ISO 1520 | Pass > 6mm |
| | Reverse Impact | ISO 6272 | 1 kg/50cm |

Durability: Not recommended for exterior environments where the coating is required to meet the weathering and performance properties of AS3715-2002. Contact your Interpon representative for additional information.

Solvent/Chemical Resistance: Must be over-coated with **Interpon Supaclear VP188** to achieve good resistance to general cleaning agents. It is recommended that chemical resistance tests be conducted to confirm the suitability of the coating system prior to powder coating.

Pretreatment: For optimum coating performance the following pretreatments are recommended prior to the application of **Interpon 620 Shimmer**. The pre-treatment should be used in accordance with the supplier's recommendations.

- A. Aluminium: Multistage chromate or chrome phosphate
B. Galvanised Steel: Multistage zinc phosphate or chromate
C. Steel: Multistage zinc or iron phosphate

Application: **Interpon 620 Shimmer** can be applied by manual or automatic electrostatic spray equipment. Recycling of **Interpon 620 Shimmer** is not recommended.

Additional Information: Akzo Nobel Pty Limited has a policy not to use lead or other heavy metal based pigments in our range of powder coatings.

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 vapors resulting from the cure process 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 AS3754:1990, "Safe Application of Powder Coatings by Electrostatic Spraying".

Disclaimer: Unless otherwise agreed by us in writing, any contract to purchase products referred to in this brochure and any advice which we give in connection with the supply of products are subject to our standard conditions of sale. The information contained in this data sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.

* Typical minimum specifications. Performance may vary slightly between individual products.