

Technical data sheet

Date	: 10/1/2013
Product name	: Interpon 810
Product code	: MM2247
Color	: Southern Bronze – Interpon 810
Product Description	: Interpon 810 is a range of high durability powder coatings, formulated without TGIC, and designed for exterior exposure. Tested against the most severe specifications, Interpon 810 gives significantly improved gloss retention and resistance to color change. Interpon 810 powders are available in a wide range of colors and glosses.

Powder properties

Type	: Polyester TGIC Free
Gloss (Gardner 60°)	: 30 +/-5 UN
Specific gravity	: 1.30 +/-0.05 g/cm ³
Coverage at 1.0 mil	: 147 sq.ft/lb/mil
Storage conditions	: Maximum 80°F
Shelf life	: 12 months, typical
Cure Schedule	: 15 minutes at 375° F

Test Conditions

Substrate	: Cold Rolled Steel or Aluminum
Pretreatment	: Iron Phosphate (B1000) or Zinc Phosphate (B952) for CRS Chromate conversion for Aluminum
Cure schedule	: 15 minutes at 375°F
Dry film thickness	: 2.4-3.2 mils
Testing condition	: The results shown above 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.

Mechanical tests

Flexibility	: 1/4" or better	ASTM D522
Adhesion	: 4-5B	ASTM D3359
Hardness	: F-2H	ASTM D3363
Impact	: 40/10 min	ASTM D2794

Chemical tests

Salt spray	: <1/16" creep, no blisters, 500 hrs	ASTM B117
Humidity	: No change at 1000 hours	ASTM D2247
Exterior Durability	: Yes	

Substrate 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 810**. Iron phosphate and zinc phosphate of ferrous metals improve corrosion resistance.

Aluminum substrate may require a chromate conversion coating.

Application

Interpon 810 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.

Additional Information

Up to 5 years of Florida exposure with good gloss and color stability.

Safety Precautions

Please consult the Safety Datasheet (SDS).

FOR PROFESSIONAL USE ONLY

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 Safety 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.