

Product Data Sheet

AkzoNobel Powder Coatings

Interpon 100 AL401QF (Formerly 12-7002) Georgian Gray U1556-1

| | | | |
|---|---|--------------------------------|-----------------------------------|
| Product Description | <p>Interpon 100 is a series of epoxy based powder coatings that exhibit excellent corrosion protection and chemical resistance when applied over a properly prepared metal substrate. Interpon 100 is designed for interior application only. Interpon 100 powders are available in gloss, satin, matte, and texture finishes in a wide range of colors.</p> | | |
| Powder Properties | Chemical type | Epoxy | |
| | Appearance | Wrinkle | |
| | Gloss level (Gardner 60°) | 1.5 – 3.5 | |
| | Recommended Film thickness | 2.5 – 4.0 | |
| | Specific gravity | 1.54 +/-0.05 g/cm ³ | |
| | Coverage @ 1.0 mil | 125 sq.ft/lb/mil | |
| | Storage | Maximum 80°F | |
| | Shelf life | 12 months | |
| | Curing schedule (at object temperature) | 10 minutes at 375°F | |
| Mechanical Tests | Flexibility | ASTM D522 | 1/8" mandrel |
| | Adhesion | ASTM D3359 | 100% |
| | Impact resistance (Direct) | ASTM 2794 | 40 minimum |
| | Hardness | ASTM3363 | H minimum |
| Environmental and Durability Tests | Neutral Salt Spray | ASTM B117 | <1/8" creep, no blisters, 500 hrs |
| | Humidity | ASTM D2247 | No Change at 1000 hours |
| | Exterior Durability | | No |
| Test Conditions | <p>Testing has been determined under laboratory conditions using the following application properties and is for guidance only.</p> | | |
| | Substrate | CRS | |
| | Pretreatment | Iron Phosphate (B1000) | |
| | Film thickness | 2.0 – 3.0 mils | |
| | Cure schedule | 15 minutes at 375°F | |
| | <p>Actual film performance will depend on the individual circumstances in which the product is used.</p> | | |
| Pre-treatment | <p>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 100. Iron phosphate of ferrous metals improve corrosion resistance.</p> | | |
| Application | <p>Interpon 100 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.</p> | | |

Additional Information

This product is UL1332 “Coating, Organic, for Steel Enclosure-use Electrical Equipment – Component” recognized to UL Designation **U1556-1**. For UL1332 certification all requirements must be met as designated in File: DTOV2 MH13725. As such, following are the required application standards that must be met.

| Cure Cycle (min) | Cure Window (°F) | Min. Film Thickness (mils) | Pre-Treatment(s) over | | | |
|------------------|------------------|----------------------------|------------------------|---------------------------------|---------------------------------|---------------------------------|
| | | | Cold Rolled Steel | Hot Rolled Steel | Galvanized Steel | Galvaneal Steel |
| 20 | 350 | 2.5 | 5 Stage Iron Phosphate | No approval over this substrate | No approval over this substrate | No approval over this substrate |
| 8 | 400 | | | | | |

No other substrate or pre-treatment may be used in U1556-1 designation.

Key Product Attributes

U1556-1 Designation

Safety Precautions

Please consult the Safety Datasheet (SDS).

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 fulfil 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

<http://www.interpon.com/contact-us/>

Copyright © 2015 Akzo Nobel Powder Coatings Ltd. Interpon is a registered trademark of AkzoNobel

Product Name: AL401QF
 Last Revision Date: 10/24/2020
 Revision Number: 2
 Author: L. Alicea