

Product Data Sheet

AkzoNobel Powder Coatings

Interpon D2525 YJ310QF RAL 5010 Gentian Blue

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| Product Description | Interpon D2525 is a range of super-durable powder coatings specially formulated for use on architectural aluminum components. Interpon D2525 conforms with the performance of the AAMA 2604-22 specification and exhibits superior exterior durability and color retention. | | |
| Powder Properties | Chemical type | Polyester TGIC Free | |
| | Appearance | Texture | |
| | Gloss level (Gardner 60°) | 3 - 7 | |
| | Recommended Film thickness | 2.7 – 3.5 mils | |
| | Specific gravity | 1.55 +/-0.05 g/cm ³ | |
| | Coverage @ 1.0 mil | 124.1 sq.ft/lb/mil | |
| | Storage | Maximum 75°F (24°C) | |
| | Shelf life | 12 months | |
| | Curing schedule (at object temperature) | 20-50 minutes at 356°F (180°C) 15-35 minutes at 375°F (191°C) 10-25 minutes at 392°F (200°C) 8-15 minutes at 410°F (210°C) | |
| Mechanical Tests | Dry Adhesion | AAMA 2604-22 8.4.1 | Pass – no removal of film. |
| | Impact Resistance | AAMA 2604-22 8.5 | Pass – no tape removal of film to substrate following 0.1" deformation. |
| | Dry Film Hardness | AAMA 2604-22 8.3 ASTM 3363 | Pass F – no rupture of film. |
| | Abrasion Resistance | AAMA 2604-22 8.6 | Pass – abrasion coefficient value >20. |
| Environmental and Durability Tests | Salt Spray | AAMA 2604-22 8.8 ASTM B117 | Pass at 3,000 hrs – no corrosion greater than 1/32"–1/16" from scribe, min. blister rating 8. |
| | Wet Adhesion | AAMA 2604-22 8.4 | Pass – no blisters. |
| | Boiling Water | AAMA 2604-22 8.4 | Pass – no blisters, or film removal. |
| | Constant Humidity Resistance | AAMA 2604-22 8.8.1 ASTM D2247 ASTM 4585 | Pass at 3,000 hrs – blister formation less than "few" size no. 8. |
| | Muriatic Acid Test | AAMA 2604-22 8.7.1 | Pass – no blisters; no change in appearance. |

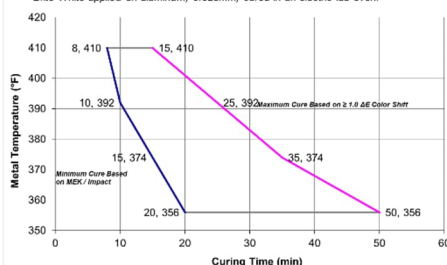
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| Mortar Test | AAMA 2604-22 8.7.2 | Pass – no blisters, adhesion loss, or visual change. |
| Detergent Resistance | AAMA 2604-22 8.7.4 | Pass – no blisters, adhesion loss, or visual change. |
| Exterior Durability | AAMA 2604-22 8.9 ASTM G7 ASTM D4214 | Excellent performance after 5 yrs Florida. Exposure; Color Change DE <5 (Hunter); Gloss retention >30%; Chalking not in excess of #8. |
| Color Stability | | |

Good at elevated temperatures.

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| Test Conditions | Testing has been determined under laboratory conditions using the following application properties and is for guidance only. |
| Substrate | Aluminum |
| Pretreatment | Chromate |
| Film thickness | 2.4 – 3.2 mils |
| Cure schedule | 15 minutes at 400°F (204°C) |
| | Actual film performance will depend on the individual circumstances in which the product is used. |
| Pre-treatment | For maximum protection, it is essential to pretreat components before applying Interpon D2525 . Aluminum components must receive a full multi-stage chromate conversion coating or suitable chrome-free pretreatment to clean and condition the substrate. Detailed advice should be sought from the pretreatment supplier. |
| Application | Interpon D2525 can be applied by manual or automatic electrostatic spray equipment. It is recommended that for consistent application and appearance, the product be fluidized during application. For solid shades, the unused powder can be reclaimed using suitable equipment and recycled through the coating system. For mixed colors and certain special finishes, advice must be sought from the manufacturer as to the suitability, or otherwise, of the product for recycling. For all mixed color/special effect systems, advice must be sought as to the correct mixing ratio for virgin/reclaim powder. For the application of the D-Series Architectural Products, the required Dry Film Thickness (DFT) is 2.4 – 4.5 mils, with no measurements below 1.8 mils. |

**Additional
Information****Approximate Cure Window for Interpon D2525**

Based on evaluation of MEK resistance, impact resistance, and color of YA202U
Brite White applied on aluminum, 0.625mm, cured in an electric lab oven.

**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.

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