

Product Datasheet



BU Powder Coatings Interpon 600 Auto Clear Code: JZ004N

Product Description:

Interpon 600 Auto Clear is a clear finish powder coating suitable for exterior application offering good color, light and heat stability. When applied with right equipments and expertise, this powder provides excellent flow and finish effect for aesthetic appeal as well as coverage. This powder is compliant to ROHS directive 2011/65/EU

Powder Properties:

| | Result | Method |
|-------------------------|---------------------------|--|
| Colour | Clear | |
| Gloss(60° ahead) | >95 % | ASTM D523-89 |
| Specific Gravity | 1.2-1.4 g/cm ³ | Theoretical |
| Particle size | | Suitable for electrostatic spray |
| Storage | | Keep in dry & cool conditions, away from direct sunlight |
| Shelf life | | 12 Months when stored in sealed carton as per above conditions |

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.

Mechanical and Chemical Test :

| | | |
|---------------------------------------|---|-----------------|
| Substrate | Mild Steel | |
| Pre-treatment | Zinc Phosphate | |
| Film Thickness | 50-70 microns | ASTM D 1186-93 |
| Stoving | 15 minutes at 180°C (EMT) | |
| Adhesion | GT=0 | ASTM D 3359 -97 |
| Scratch Hardness | 2.0 Kg | ASTM D 1474-92 |
| Flexibility (Conical Mandrel) | 6 mm | ASTM D522 –93A |
| Erichsen cupping | 6 mm | ASTM 643-84 |
| Impact(Direct & Indirect) | 100 Kg cm | ASTM D2794 |
| Salt Spray | <3mm corrosion creep from Scribe After 500 hrs exposure in SST Cabinet | ASTM B-117 |
| Humidity Chamber | No blistering, No colour change After 500hrs exposure in Humidity cabinet | ASTM D2247 |
| QUV – A (340NM) | Passes 500hrs (>=80% gloss retention on Polishing) | ASTM G154 |

Pre-treatment:

For more information regarding specific substrates and applications for **Interpon 600 Auto Clear** contact AkzoNobel

Application:

Interpon 600 Auto Clear can be applied by manual or automatic electrostatic spray equipment. Unused powder can be reclaimed using suitable equipment and recycled through the coating system.

Safety Precautions:

When using do not eat, drink or smoke. Do not breathe the dust. In case of insufficient ventilation wear suitable respiratory equipment. For further information please refer to the specific product Material Safety Data Sheet (MSDS – PC082).