Product Data Sheet

AkzoNobel Powder Coatings

Interpon W6000 | Fast

Topcoat Indoor UV Texture

Product Description	**Interpon W6000** is an advanced UV curable texture powder coating topcoat designed for interior applications with market leading features such as UV weathering stability and gloss retention. Combining the environmental aspects of powder coatings (no volatile organic compounds), the benefits from a clean environment and the reduced process temperatures with a fast process time, Interpon W6000 opens up new applications for thermal sensitive materials and substrates such as MDF, particleboard, OSB and plywood.	
Powder Properties	**Chemical type**	Polyester - Acrylate
	Gloss (60°)	5-55 units (depending on formulation) Custom Colours: Clear Gloss 8 to 12 GU Clear Gloss 20 to 25 GU Limewhite
	Appearance	Fine texture
	Recommended Film Thickness (µm)	80 - 100 µm (on suitable type of MDF)
	Density (g/cm³)	1,3 – 1,6 g/cm³ depending on color (see CoA for product specific)
	Application	Electrostatic
	Storage	Under dry, cool (≤ 20°C) conditions (open boxes must be resealed)
	Shelf life	At least 12 months from production date
	Curing schedule (surface temperature)	Melting of the powder with IR and/or convection heat to a temperature range of 90˚C to 130˚C depending on the substrate thermal properties. UV curing of the coating should take place when the coating still is in melted form and with a Gallium doped UV lamp with the minimum intensity of 120W/cm. The UV dose should be 2000 to 4000 mJ/cm² measured in the spectral range of 395-445 nm (UVV).
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.	
	Substrate	Egger MBP-L E1 19mm MDF
	Film Thickness	80 - 100 microns

Physical performance characterictics (in accordance with DIN 68930)	**Adhesion** (2mm crosshatch)	ISO 2409	≤ Gt1
	Resistance to cold liquid	DIN 68861, pt1	1B
	Abrasion resistance	DIN 68861, pt2	2B
	Scratch resistance	DIN 68861, pt4	4C
	Resistance to Dry Heat	DIN 68861, pt7	70°C / 7D
	Resistance to Wet Heat	ISO 6272	70°C / 8B
	Light resistance	DIN 54004	≥6 Greysacale and bluescale OK
	Resistance to changing tempeature	Ihd W426	0 (after 42 cycles no visible changes) Temps from -20˚C to +60˚C
	Resistance to changing climate	Ihd W424, module 2	0 (after 7 days no visible change). 7 days at 50˚C and 85% humidity and 7 days at 20˚C & 35% humidity.
Pre-treatment	A range of options exist depending on the substrate characteristics, customer requirements and fit for purpose performance. Generally will carry our specific tests and make recommendation taking into account a broad range of tests including material composition, surface resistance, density and moisture content to achieve optimum results.		
Application	**Interpon W6000 Indoor** powders can be applied by manual or automatic electrostatic spray. For solid shades, unused powder can be reclaimed. Mixing ratio of virgin/reclaim powder coatings should be agreed during the trials setup and consultation with AkzoNobel technical service. Please consult AkzoNobel for further details as to the correct mixing ratio for virgin/reclaim powder.		
	Recommended film thickness	80-100 µm. A good protection is linked with the recommended film thickness.	

All powders can show small color differences from batch to batch, this is normal and unavoidable. While AkzoNobel take every precaution to minimize visible differences, this cannot be guaranteed. Applicators and fabricators are advised to use a single batch for parts that will be assembled together. Differences are more likely with special effect powders. Bonded products have better application properties than blended products (more stable) but attention should still be paid to line settings to avoid “marble effect” and changes in aspect after recycling. A constant ratio between virgin and recycled powders should be fixed by the coater to achieve a consistent effect. For more details it is suggested to read the “*Metallic Application Guideline*”.

Different substrates, use of primer, and big changes in film thickness may give a different aspect. Products with different codes should not be mixed even if same color and gloss.

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 customers.
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.

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