



SPECTRAL D200

Spectral D200 is a series of hyper durable polyester/TGIC powder coatings system offering excellent colour, and UV-light resistance stability compared to standard polyester/TGIC system. It's recommended for exterior with twenty years warranty. This product is developed to give optimum decorative protection (excellent color and gloss retention) to fulfil AAMA 2605 requirement. This product warranty's for approved applicator registered only.

POWDER PROPERTIES	
Colour	Depending on order
Gloss	Depending on order
Particle size	Suitable for electrostatic spray
Specific Gravity	1.50 ± 0.20 g/cm ³
Storage	Dry cool conditions below 25°C
Sales Code	SD 200
Stoving schedule (Object Temperature)	15 mins at 180°C 12 mins at 200°C (for full matt system add 5 minutes to standard curing schedule)
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	0.7 mm Aluminium panel
Pre-treatment	Chromate
Film Thickness	60-70 microns
MECHANICAL TESTS	
Conical Mandrel	BS3900-E11 Pass 3mm
Erichsen	BS3900-E4 Pass 6mm
Impact	ASTM D.2794 Pass 100kg.cm forward and reverse
Adhesion	BS3900-E4 Pass Gt 0

CHEMICAL TESTS		
Salt Spray	ASTM B.117 (3000 hrs)	Pass 3mm from creep
Distilled Water Immersion	BS3900-F7 at 40°, 3000 hours 32±1°C	No blistering or loss of gloss
Chemical Resistance	Generally excellent resistance to most acids, Alkalis and oil at normal temperature.	
PRE-TREATMENT	<p>For optimum coating performance the following pre-treatments are recommended prior to the application of Spectral SD 200. The pre-treatment should be used in accordance to the suppliers recommendations.</p> <p>A. Aluminium: Multistage chromate or chromate phosphate B. Galvanised steel: Multistage zinc phosphate or chromate C. Steel: Multistage zinc or iron phosphate</p>	
APPLICATION	Spectral SD200 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	<p>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 Atlantic Daya Bumi Powder Coat has provided to its customer. If for any reason a copy of the relevant health and safety data sheet is not immediately available, the user should contact Atlantic Daya Bumi Powder Coat to obtain a copy before using the product. Minimum safety precautions in dealing with all powder coatings are as follows: All dusts are respiratory irritants. Therefore, inhalation of the dust or of the vapours resulting from the cure should be avoided. Take steps to prevent skin contact, but should contact occur, wash skin with soap and water. In case of eye contact flush immediately with clean water and seek medical advice. Dust clouds of any finely divided organic material can be ignited with an electric spark or open flame. Dust and powder should not be allowed to build up on surfaces or ledges. Dust collection equipment should be used which has provision for adequate explosion release. All equipment should be electrically earthed to prevent build up of static. Users are recommended to follow the guidelines laid down in the "Code of Safe Practices" issued by the British Coatings Federation, copies of which are available on request.</p>	

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