



SPECTRAL N 1390

Spectral N 1390 is a series of epoxy/polyester powder coatings system offering improved colour, UV-light and heat stability compared to epoxy system. It is not recommended for exterior. This product is developed to give optimum decorative protection (good corrosion resistance), mechanical and chemical properties.

POWDER PROPERTIES	
Colour	Depending on request
Gloss	Depending on request
Particle size	Suitable for electrostatic spray
Specific Gravity	1.50 ± 0.20 g/cm ³
Storage	Dry cool conditions below 25°C
Sales Code	SN 1390
Stoving schedule (Object Temperature)	12 mins at 180°C 8 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 Q-panel
Pre-treatment	Chromate phosphate
Film Thickness	80-90 microns
MECHANICAL TESTS	
Conical Mandrel	BS3900-E11 Pass 3mm
Erichsen	BS3900-E4 Pass 6mm
Impact	ASTM D.2794 Pass 80kg.cm forward and reverse
Adhesion	BS3900-E4 Pass Gt 0

CHEMICAL TESTS		
Salt Spray	ASTM B.117 (1000 hrs)	Pass 3mm from creep
Distilled Water Immersion	BS3900-F7 at 40°C,1000 hours	No blistering or loss of gloss
Chemical Resistance	Generally excellent resistance to most acid, 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 SN 1290. 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 SN 1390 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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