

## **HMG Powder Coatings Limited**

Dill Road, Castlereagh Industrial Estate, Belfast, BT6 9HU
Tel. +44 (028) 9079 4930 Fax. +44 (028) 9040 1187
www.hmgpowdercoatings.co.uk
sales@hmgpowdercoatings.co.uk

## **Epoxy Polyester Ripple Texture**

	•	• •			
Product Description	Designed where the user requires a superior decorative finish for indoor applications. These structured finishes, often interchangeably described as "Ripple", "Leatherette", "Coarse Texture", or "River Textures", are attractive tactile coatings and are often used in office furniture, tool boxes, handrails, hand tools, shelving, electrical enclosures, etc. The range offers good resistance to chemicals and the uneven surface inherent in the product covers many small flaws that may be present on the substrate surface.				
Key Benefits	Excellent aesthetics Good corrosion resist Good chemical resista Good hardness Excellent adhesion Tactile surface				
Powder Properties	Chemistry	A thermosetting epox	y-polyester resin system.		
	Application		Corona electrostatic spray. The system can be modified for Tribo application as required.		
	Coating Thickness (DF	70-100 microns (μm), appearance of structu	Depending on covering power and shade, general recommendation is 70-100 microns ( $\mu$ m), with a minimum thickness of 60 $\mu$ m. The appearance of structured finishes will be affected by film thickness and our recommendation is to ensure a tightly controlled DFT range.		
	Sheen	Matt, Gloss or Semi-G	Matt, Gloss or Semi-Gloss		
	Specific Gravity	1.50 – 1.70 g/cm <sup>3</sup> dep	$1.50 - 1.70 \text{ g/cm}^3$ depending on colour.		
	Coverage	From 10-14 m <sup>2</sup> /kg at 6	From 10-14 m <sup>2</sup> /kg at 60 microns film thickness.		
	Storage & Shelf Life	When stored in a cool	When stored in a cool (<20°C), dry environment: 12 months.		
	Curing Schedule	request. See box labe temperature condition Standard Bake: 10 mir	The system is available as a standard bake or fast cure system on request. See box label for curing conditions. Typical object temperature conditions are: Standard Bake: 10 minutes at 180 Celsius (object temperature) Fast Cure: 10 minutes at 160 Celsius (object temperature)		
Pretreatment	To ensure maximum adhesion the substrate must be thoroughly clean, free from grease, oil, rust, mill scale or any other contaminant. Cleaning may be carried out either by shot blasting, solvent or chemical degreasing. For applications where high corrosion or chemical resistance is required the substrate should be chemically treated prior to powder coating, typically:				
	Ferrous substrates iron or zinc phosphate Zinc coated steel zinc phosphate or chromate conversion Aluminium chromate conversion				
Mechanical Tests	Unless otherwise specified, all tests were carried out under laboratory conditions on 0.8mm degreased and zinc phosphated steel panels. A powder coating DFT of 60-70 microns was used.				
	Hardness	ISO 2815 Buchholtz Indentation	>80		
	Flexibility	ISO 1519 Cylindrical Mandrel	Pass >5mm		
	Adhesion	ISO 2409 2mm Crosshatch	Pass Gt0		
	Cupping	ISO 1520 Erichsen	Pass >5mm		
	Impact	BS 3900: Part E7	>25kg cm (N)		

HMG Powder Coatings Ltd (HMG) decline any liability with respect to the use made by anyone of the information contained herein. The information contained herein represents HMG's best knowledge thereon without constituting any express or implied guarantee or warranty of any kind (including, but not limited to, regarding the accuracy, the completeness or relevance of the data set out herein). HMG is the sole owner or authorised user of the intellectual property rights relating to the information communicated. The information relating to the use of the products is given for information purposes only. No guarantee or warranty is provided that the product is adapted for any specific use. The user or purchaser should perform its own tests to determine the suitability for a particular purpose. The final choice of use of a product remains the sole responsibility of the user.

518 Series Issue 6. Issued 25.07.2016 Page 1

## **Epoxy Polyester Ripple Texture**

Corrosion and Durability	Neutral Salt Fog	ASTM B117 (250 hours)	Pass – Corrosion creep <2mm from scratch	
	Mortar Resistance	ASTM C207	Easy to remove. No staining	
	Boiling Water	2 hours boiling water	No defects or detachments	
	Humidity	BS 3900 Part F2	More than 1000 hours without effect	
	Chemical Resistance	Resistant to most acids, alkalis and c	ils.	
Colour Availability	A range of shades are available. Any submitted colour standard can be manufactured to customer's requirements.			
Restriction of Hazardous Substances (RoHS/RoHS2)	This product range conforms to the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations (RoHS and RoHS2) Directive. It does not contain any compounds of lead, mercury, cadmium or hexavalent chromium; nor does it contain polybrominated biphenyls (PBBs) or polybrominated diphenyl ether (PBDE).			
Health & Safety	This product is intended for use only by professional applicators in industrial environments. Consult the relevant health and safety data sheet indicated in the box label before use.			



HMG Powder Coatings Ltd (HMG) decline any liability with respect to the use made by anyone of the information contained herein. The information contained herein represents HMG's best knowledge thereon without constituting any express or implied guarantee or warranty of any kind (including, but not limited to, regarding the accuracy, the completeness or relevance of the data set out herein). HMG is the sole owner or authorised user of the intellectual property rights relating to the information communicated. The information relating to the use of the products is given for information purposes only. No guarantee or warranty is provided that the product is adapted for any specific use. The user or purchaser should perform its own tests to determine the suitability for a particular purpose. The final choice of use of a product remains the sole responsibility of the user.

518 Series Issue 6. Issued 25.07.2016 Page 2