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BONDON 168

PRODUCT DESCRIPTION

Two pack polyurethane high durability finish with maximum performance and durability. Allows quick turnaround due to rapid film hardening. Excellent chemical and solvent resistance.

USES

Recommended as the final coat over 2 pack epoxy systems where a gloss finish is required, especially Bondon 110, Bondon 112, Bondon 116 and Bondon 123.

TECHNICAL PROPERTIES

Colour	RAL, BS 4800, Specials		
Finish	Full Gloss		
Curing Agent	Bondon 168 Curing Agent		
Mix Ratio	4 Base : 1 Curing Agent by volume		
Specific Gravity	1.39		
Volume Solids	53 ± 1-2%		
Recommended Film Thickness	94-189µm WFT / 50-100µm DFT		
Theoretical Spreading Rate	5.5-10.5 m ² /litre		
Application Method	Brush, Roller, Spray		
Flash Point	<25°C		
VOC	410 g/litre		
Drying Times	10°C	20°C	30°C
Touch Dry	2.5 hours	1.5 hours	1 hour
Hard Dry	12 hours	8 hours	5 hours
Full Cure	10 days	7 days	5 days
Minimum Overcoat	2.5 hours	1.5 hours	1 hour
Maximum Overcoat*	4 days	3 days	2 days

**Surface to be dry and free from contaminants. When maximum recoating time is exceeded, the surface must be abraded before overcoating to ensure intercoat adhesion.*

CERTIFICATION/APPROVALS Highways Agency

RECOMMENDED SYSTEMS As a glossy topcoat over Bondon Primers especially Bondon 110, 112, 116 and 123.

SURFACE PREPARATION

Ensure surfaces are clean, dry and free from dirt, grease and other contamination. Prime steelwork with Bondon range of primers.

PRODUCT APPLICATION

Mixing	Mix 4 litres Base with 1 litre Curing Agent. Mix thoroughly. Pot life 3 hours @ 20°C.
Thinners	Thinner No.6
Brush	Recommended. Do not thin.
Roller	Recommended. Do not thin.
Conventional Spray	Thin up to 10% Thinner No.6 Use 50-60 psi pressure and 1.4-1.8 mm diameter nozzle.
Airless Spray	Thin up to 3% Thinner No.6 Use tip 0.38-0.66 mm, 40-80° angle and 2000-2500 psi pressure.
Air Assisted Airless Spray	Thin up to 3% Thinner No.6 Use 800-1000 psi pressure and 1.4-1.8 mm diameter nozzle.
Cleaner	Thinner No.6
Cleanup Considerations	All equipment should be cleaned immediately after use with Thinner No.6 It is advisable that equipment should be cleaned/flushed during the course of application, the frequency of which will depend on the volume of material used and timescale over which applied. Ensure all waste materials (including packaging) are disposed of in accordance with local regulations.

HEALTH, SAFETY & ENVIRONMENTAL

This product must be used in accordance with the Material Safety Data Sheet.
The user must observe local health, safety and environmental regulations when using this product.
Consult if there are any concerns over the suitability of this product.

PACK SIZES

5 litre composite packs.

PACK WEIGHTS

5 litre: 6.95 Kg.

STORAGE CONDITIONS

Store in sealed containers at 10-25°C. Shelf life 6 months (unmixed).

LIMITATIONS

Do not apply when RH exceeds 85% or the surface is less than 3°C above dew point.

DISCLAIMER

The information given in these specifications and technical advice - whether verbal, or in writing or by way of trials is for guidance only and is given in good faith, but without warranty. This also applies where proprietary rights or third parties are involved. Any person using products without first making further enquiries as to the suitability of the products for the intended purpose and testing the products to assess their fitness for the purpose does so at their own risk. The application, use and processing of the products are beyond our control and are therefore your own responsibility, and we can accept no liability for the performance of the products arising out of such use, beyond the value of the goods delivered by us. The information contained in these data sheets is liable to modification from time to time in the light of experience and our policy of continuous development.

It is the user's responsibility to ensure that this sheet is current prior to using the product.