

## 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

<b>Colour</b>	RAL, BS 4800, Specials		
<b>Finish</b>	Full Gloss		
<b>Curing Agent</b>	Bondon 168 Curing Agent		
<b>Mix Ratio</b>	4 Base : 1 Curing Agent by volume		
<b>Specific Gravity</b>	1.39		
<b>Volume Solids</b>	53 ± 1-2%		
<b>Recommended Film Thickness</b>	94-189µm WFT / 50-100µm DFT		
<b>Theoretical Spreading Rate</b>	5.5-10.5 m <sup>2</sup> /litre		
<b>Application Method</b>	Brush, Roller, Spray		
<b>Flash Point</b>	<25°C		
<b>VOC</b>	410 g/litre		
<b>Drying Times</b>	<b>10°C</b>	<b>20°C</b>	<b>30°C</b>
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

<b>Mixing</b>	Mix 4 litres Base with 1 litre Curing Agent. Mix thoroughly. Pot life 3 hours @ 20°C.
<b>Thinners</b>	Thinner No.6
<b>Brush</b>	Recommended. Do not thin.
<b>Roller</b>	Recommended. Do not thin.
<b>Conventional Spray</b>	Thin up to 10% Thinner No.6 Use 50-60 psi pressure and 1.4-1.8 mm diameter nozzle.
<b>Airless Spray</b>	Thin up to 3% Thinner No.6 Use tip 0.38-0.66 mm, 40-80° angle and 2000-2500 psi pressure.
<b>Air Assisted Airless Spray</b>	Thin up to 3% Thinner No.6 Use 800-1000 psi pressure and 1.4-1.8 mm diameter nozzle.
<b>Cleaner</b>	Thinner No.6
<b>Cleanup Considerations</b>	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 supplied by Spencer Coatings Limited.  
The user must observe local health, safety and environmental regulations when using this product.  
Consult Spencer Coatings Limited 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

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