

## BONDON TOWERCOTE 2 PACK EPOXY PRIMER/FINISH

### PRODUCT DESCRIPTION

A high solids compliant epoxy maintenance primer/finish pigmented with MIO which, due to its surface tolerance characteristics, can be applied directly to mechanically cleaned steel and most existing sound coating systems. The high performance system exhibits low water permeability, maximum toughness, abrasion and impact resistance and can be used in marine and chemical environments.

### USES

To provide maximum film build with minimum coats in repair and maintenance programmes where only mechanical preparation of surfaces is possible. Application can be by patch prime/main coat technique or by a single coat application only. Specifically designed for the protection of structural steel such as weathered galvanised towers and manually or power tooled corroded surfaces.

### TECHNICAL PROPERTIES

<b>Colour</b>	Grey		
<b>Finish</b>	Semi-Matt		
<b>Curing Agent</b>	Towercote 2 Pack Epoxy Curing Agent Fast or Normal Cure		
<b>Mix Ratio</b>	4 Base : 1 Curing Agent by volume		
<b>Specific Gravity</b>	1.78 (typical)		
<b>Volume Solids</b>	Normal Cure 72%		
	Fast Cure 65% (typical)		
<b>Recommended Film Thickness</b>	Normal Cure 167µm WFT		
	Fast Cure 185µm WFT / 120µm DFT		
<b>Theoretical Spreading Rate</b>	4-7 m <sup>2</sup> /litre		
<b>Application Method</b>	Brush, Roller		
<b>Flash Point</b>	25°C		
<b>VOC</b>	Normal Cure 235 g/litre		
	Fast Cure 285 g/litre		
<b>Drying Times</b>	<b>Fast Cure</b>	<b>Normal Cure</b>	<b>Normal Cure</b>
	<b>10°C</b>	<b>20°C</b>	<b>30°C</b>
Touch Dry	1 hour	5 hours	4 hours
Hard Dry	4 hours	16 hours	12 hours
Full Cure	4 days	5 days	4 days
Minimum Overcoat	8 hours	16 hours	12 hours
Maximum Overcoat*	Indefinite	Indefinite	Indefinite

### CERTIFICATION/APPROVALS

### RECOMMENDED SYSTEMS

Product can be overcoated with Epoxy Standard Finish or Bondon 168 if special colours or high gloss finish is required.

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## SURFACE PREPARATION

Ensure surfaces are clean, dry and free from dirt, grease and other contamination. Scale should be removed then the surface cleaned to minimum ST2 by hand or power tool.

Previous coatings can be overcoated and patch primed, bare and flaking material must be removed and bare areas prepared to ST2. Edges should be tightly adhering and well feathered to accept the overlapping coating.

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## PRODUCT APPLICATION

<b>Mixing</b>	Add the curing agent component to the base and mix thoroughly (ratio 1:4 v/v). Ensure only full packs are mixed. Pot life 5 hours @ 5°C, 3 hours @ 20°C, 2 hours @ 30°C.
<b>Thinners</b>	Thinner No.5
<b>Brush</b>	Suitable
<b>Roller</b>	Suitable
<b>Cleaner</b>	Thinner No.5
<b>Cleanup Considerations</b>	All equipment should be cleaned immediately after use with Thinner No.5 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.

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## 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.

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## PACK SIZES

5 litre composite packs

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## PACK WEIGHTS

5 litre: 8.8 Kg. (typical)

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## STORAGE CONDITIONS

Store away from extremes of temperature. Shelf Life in unmixed state – Base: 6 months, Curing Agents: 12 months

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## LIMITATIONS

Do not apply when RH exceeds 88% or the surface is less than 2°C above dew point.  
At temperatures below 5°C the curing rate may be affected.  
Ensure equipment is cleaned out before pot life has expired.

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## DISCLAIMER

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