

Epoxy Multi Topcoat

Solvent based epoxy topcoat

A two-component high build, polyamide cured, re-coatable epoxy coating.

Intended Uses:

A general-purpose epoxy build coat or finish coat for steel and concrete. Suitable for exterior exposure including marine conditions. Excellent corrosion prevention properties in industrial and coastal atmospheres. Good adhesion to a variety of metal substrates and aged coatings. Excellent overcoating properties. Used for structural steel and equipment in pulp and paper plants, petrochemical facilities, mining environments, bridges, and power plants & construction projects.

Properties:

- A high solids coating.
- Touch dry in 2 hours.
- Gloss Finish.
- Excellent adhesion to steel, cast iron, galvanized steel, aluminium, GRP & stainless steel.
- Excellent durability.
- Resistant to water and splash of chemicals.
- Can be overcoated after long weathering periods.

Technical Data:

Colour	Various
Finish	Gloss
Mix Ratio (Volume)	4 : 1
Activator	Epoxy Activator Multi
Induction Period	Not required
Density	1.32 Kg/ Litre (Mixed)
Volume Solids	60%
Typical Film Thickness	75 – 150µm DFT
Theoretical Coverage	8 m ² / Litre @ 75µm DFT, allow for loss factors
Method of Application	Brush, roller, or spray
Flash Point	N/A
Temperature Resistance	Dry continuous – 80°C
Number of Coats	1 – 2 depending on specification

Drying Information:

	0°C	5°C	10°C	20°C	30°C	40°C
Touch Dry	-	8 hrs	-	2 hrs	-	-
Hard Dry	-	18 hrs	-	4 hrs	-	-
Full Cure	-	-	-	7 days	-	-
Overcoating Data – See Limitations						
Substrate Temp.	0°C	5°C	10°C	20°C	30°C	40°C
Minimum	-	-	-	3 hrs	-	-
Maximum	No limitation provided that the surface is free from contamination. Extended*					

Note:

* See Specialized Coating Systems Definitions & Abbreviations.

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Whilst we endeavour to ensure that all advice we give about the product is correct, the information given in this data sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so entirely at his own risk. As conditions of use, method of application and suitability of the substrate prior to painting are beyond our control, no guarantee is implied by the recommendations contained herein. We therefore do not accept any liability whatsoever or howsoever arising from the performance of this product or for any loss or damage arising out of the use of this product. The information contained in this sheet is liable to modification from time to time in the light of experience and ongoing product development programmes. It is the user's responsibility to ensure that this sheet is current prior to using the product

Issue Date:
01/05/2019

Surface Preparation:

The performance of this product will depend upon the degree of surface preparation. The surface to be coated must be cleaned and free from contamination. Prior to paint application all surfaces should be assessed and treated in accordance with ISO 8504:2000.

Previously Coated Surfaces

Degrease previous coat with Hydrosolve Degreaser followed by a high-pressure water rinse. All surfaces must be dry and clean. During application a substrate temperature down to +5°C is acceptable.

Galvanizing

New galvanizing – degrease using Galvanized Iron Cleaner and rinse.

Old galvanizing – abrade or abrasive blast clean with ultra-fine grit to remove corrosion product.

Aluminium

Abrasive blast clean lightly with a fine grade of aluminium oxide grit or abrade with 200 grit water-paper to a bright metallic finish. Alternatively use an approved chemical conversion process.

Application:

Mixing	Material is supplied in two containers as a kit. Always mix a complete kit in the quantities supplied. Once mixed the product should be used within the pot life specified. Stir the base component well with a flat-bottomed paddle or mechanical mixer until product is uniform. Continue stirring and add the entire contents of the activator container. Continue stirring until the mixture is homogeneous. Ensure that sufficient material be mixed so that the product can be applied within its use-able life. The temperature of the mixed product should preferably be above 10°C.		
Pot Life	6 hours at 25°C		
Thinner	SA65 Thinners	0 – 20% depending on application	
Airless Spray	Recommended	Tip range 19 – 23 Thou. Pressure at the tip should not be less than 150 bar (2200 PSI)	
Air Spray	Recommended	Gun	Pressure/Gravity Feed
		Fluid Tip	2 – 3mm
Brush/Roller	Suitable	Typically, 40 – 50µm can be achieved	
Work Stoppage	Thoroughly flush all equipment with SA65 Thinners . All unused material should be stored in tightly closed containers. Partially filled containers may show surface skinning and/or a viscosity increase of the material after storage. Material should be filtered, and viscosity re-adjusted before used.		
Clean Up	Clean all equipment immediately after use with SA65 Thinners . It is good working practice to periodically flush out the spray equipment during the course of the working day. Frequency of cleaning will depend upon the amount sprayed, temperature and elapsed time, including delays.		

Environment:

	Surface Temperature	Ambient Temperature	Relative Humidity
Minimum	5°C*	10°C	No lower limit
Maximum	40°C	45°C	95%

* Or 3°C above dew point

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Limitations:

- Not recommended for immersion.
- Not recommended for contact with strong acids and alkalis.
- Over-application will extend both the minimum overcoating periods and handling times and may be detrimental to long term overcoating properties.
- In common with all epoxies, Epoxy Multi Topcoat will chalk and discolour on exterior exposure. However, these phenomena are not detrimental to long term overcoating properties.
- Overcoating information is given for guidance only and is subject to local climate and environmental conditions. Consult a Specialized Coating Systems representative for specific recommendations.
- Test performance results were obtained in a controlled laboratory environment and Specialized Coating Systems makes no claim that the exhibited published test results, or any other tests, accurately represent results found in all field environments. As application, environmental and design factors can vary, due care should be exercised in the selection and verification of the performance and use of the coating.

Pack Size:

5 & 20 Litre.

Storage:

- Shelf Life: 12 months at 25°C from date of manufacture. Subject to inspection thereafter.
- Store in dry conditions out of direct sunlight, away from sources of heat or ignition.
- Store at temperatures between 5°C and 35°C.

Precautions:

For complete safety and handling information please refer to the appropriate Safety Data Sheets prior to using this product.