

Epoxy WB Topcoat

Water based general purpose epoxy topcoat

A two component, water-based, polyamide cured, epoxy-emulsion based, epoxy primer / Finishcoat with a sem-gloss finish.

Intended uses

Used as a tough, general purpose epoxy floor and wall coatings in workshops, industrial flooring or commercial flooring applications.

Properties

- Water based – suitable for solvent sensitive areas like schools, hospitals, nursing homes etc.
- Cured coatings can be wiped repeatedly using strong solvents and hot water.
- Low odour & non-flammable.
- Excellent adhesion to suitably prepared clean surfaces.
- Curing agent is USDA approved for indirect food contact.
- Used as a durable coating for floors.

Technical Data

Colour	Pigmented
Density (approx.)	1.30 Kg /Litre
Mixed Volume Solids	40%
Mix Ratio (Volume)	2 : 1 (Base : Activator)
Activator	Epoxy Activator WB
Typical Film Thickness	35-50 µm DFT (Depending on system)
Theoretical Coverage	8 m ² /Litre @ 50µm DFT, allow for loss factors
Method of Application	Brush, roller, or airless spray
Number of Coats	2
Temperature Resistance	Dry continuous – 80°C
Viscosity	100 – 105 KU (Mixed)

Drying Information:

	10°C	20°C	30°C	40°C	50°C
Touch Dry	-	6 hrs	-	-	-
Hard Dry	-	12 hrs	-	-	-
Full Cure	-	10 days	-	-	-
Overcoating Data – See Limitations					
Substrate Temp.	10°C	20°C	30°C	40°C	50°C
Minimum	-	16 hrs	-	-	-
Maximum	-	7 days	-	-	-

Note: A curing temperature below 10°C is not recommended, adequate ventilation should be maintained during application and curing.

Surface Preparation:

Degrease surfaces with Hydrosolve Degreaser followed by a high-pressure water rinse. Grind and fettle weld spatter, protrusions, and sharp edges. All surfaces must be dry and clean.

Floor Coatings: Primers

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

Concrete

Dirt, oil & grease must be removed. All laitance must be removed using Concrete Etch & Cement Remover + Concrete Neutralizer or by high pressure water blasting. Fill all omegas and holes with epoxy or cementitious fillers. Product is self priming on porous concrete. On dense concrete apply Epoxy WB Concrete Primer Clear

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 1 hours at 20°C. Note that there is no sharp gel stage at the end of the pot life and this usage time must be strictly adhered to. Stir the base component well with a flat-bottomed paddle or mechanical mixer and slowly add the activator until the product is uniform. Note that the mixture turns 'milky' as the emulsification occurs. Continue stirring and add the entire contents of the activator container. Continue stirring until the mixture is homogeneous. Scrape the sides and incorporate any unmixed base on the sides of the container. At this stage, further water can be added to thin the mix up to 20% by volume. Deionized water is preferred but good quality drinking water (temperature above 10°C) can be used. Add slowly while machine stirring. Ensure adequate material be mixed so that the product can be applied within its use-able pot life. The temperature of the mixed product should preferably be above 10°C. No thinners should be added to this product.	
Mix Ratio	2 : 1 (Base : Activator) by volume	
Pot Life	1 hours at 20°C – discard material after expiration of pot life	
Application Tools	Brush / roller	Recommended
	Airless Spray	Tip range 13 – 21 Thou. Pressure at the tip should not be less than 150 bar (2176 PSI)
Thinner	Add up to 20% water while machine stirring	
Cleaner	SA65 Thinner (for dry paint & equipment)	
Work Stoppage	Do not allow material to remain in spray equipment after use, thoroughly flush and clean all equipment with SA65 Thinner . Once the kits have been mixed, they should not be re-sealed and it is advised that of prolonged stoppages, work recommences with freshly mixed units.	
Clean Up	Clean all equipment immediately after use with water (gelled or dried material can be cleaned with SA65 Thinners). It is advisable to periodically flush out spraying equipment throughout the course of the working day. Frequency of cleaning is dependant of upon the amount sprayed, temperature and elapsed time. Work strictly in accordance with the specified pot life of the material.	

Environment:

	Surface Temperature	Ambient Temperature	Relative Humidity
Minimum	10°C*	15°C	No lower limit
Maximum	40°C	45°C	85%

* Or 3°C above dew point

* Higher temperatures result in reduced sag resistance and faster cure.

Limitations:

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- Unmixed material (in closed containers) should be maintained in protected storage in accordance with information given in the STORAGE section of this data sheet.
- Technical and application data herein is for the purpose of establishing a general guideline of the coating application procedures.
- 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.
- This product will chalk on the surface when exposed to sunlight.

Pack Size:

1 & 5 Litre.

Storage:

- Shelf Life: 18 months minimum at 25°C. Subject to inspection thereafter.
- Store in dry conditions out of direct sunlight and away from any sources of heat or ignition.

Precautions:

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