



CL 9920 SURFACE TOLERANT EPOXY

PRODUCT DESCRIPTION

CL 9920 Surface Tolerant Epoxy is a two-pack high solid mastic anti corrosion self priming epoxy coating. Pigmented with and without aluminium flakes.

RECOMMENDED USE

CL 9920 Surface Tolerant Epoxy is an excellent anti corrosion primer /finish for steel and concrete surface where abrasive blast cleaning is impractical. The product can be applied over power tool clean surfaces, apply as a field touch up or tie coat paint over zinc base products. Withstand continues dry temperature up 80 °C and non-continuous up to 120 °C.

PHYSICAL DATA

Colour	: Aluminium and limited range												
Volume Solid (% By Volume)	: 85± 2%												
Typical Thickness	: 150 Microns												
Wet Film Thickness	: 176 Microns												
No of Coats Recommended	: Two												
Theoretical Coverage	: 5.68m ² /litre@ 150 Microns												
Thinner	: Reducer No:15 (Maximum thinning 10%)												
Application Method	: Brush, Roller & Airless Spray												
Drying Time	: <table><thead><tr><th></th><th><u>Temperature</u></th><th><u>To Touch</u></th><th><u>Hard Dry/ Overcoating</u></th></tr></thead><tbody><tr><td></td><td>25°C</td><td>6 Hours</td><td>12 Hours</td></tr><tr><td></td><td>35°C</td><td>3 Hours</td><td>8 Hours</td></tr></tbody></table>		<u>Temperature</u>	<u>To Touch</u>	<u>Hard Dry/ Overcoating</u>		25°C	6 Hours	12 Hours		35°C	3 Hours	8 Hours
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	25°C	6 Hours	12 Hours										
	35°C	3 Hours	8 Hours										
Flash Point	: 33°C												
Recommended Primer Coat	: Self -priming												
Pot Life (Typical Values)	: 2 hours at 35 °C												
Package	: Two component material												
Mixing Ratio	: 1 Part Base to 1 Part Hardener (by Volume)												
Pack Size	: 20 litres units when mixed.												
Weight	: 1 .30 -1.5 Kg/litre (may vary with shade)												
Shelf Life	: Maximum 12 month @ 28 °C												

SURFACE PREPARATION

Steel Surface

Remove all grease and oil from surface using Reducer No:15 in accordance with SSPC-SP1 .Ensure surfaces to be coated are dry and free from all visible traces of surface contaminants. The product can be applied onto power tool clean surfaces. Power tool clean to minimum St2 (ISO

8501-1:1988) or SSPC-SP2 standard. For immersion application blast clean the surface to SSPC-SP10 or Sa ½ (ISO 8501-1:1988). Average surface profile of 50 -75 microns.

Concrete Surface

Can be applied direct on top of concrete surface. Care should be taken that the rising dampness is within the acceptable level.

APPLICATION EQUIPMENT

Airless Spray:

Nozzle size : Max 0.53 - 0.63mm (21-25 thou)

Fan angle : Max 65°

Operating Pressure : 140-165 Kg/cm (2000-2400 psi)

Conventional Spray:

Nozzle size : 1.27mm (SOthou)

Atomizing pressure : 3.5 kg/cm (SOpsi)

Fluid Pressure : 1.1 kg/cm (15psi)

Brush and Roller:

The material is suitable for brush and roller application to small areas and stripe coat only. However additional coats may be required to achieve the recommended thickness.

Cleaning Procedure :

Clean all spray equipment and application tools using Reducer No:15. All waste should be dispose accordance to local authority requirement. The Information of atomizing pressure, fluid pressure and nozzle size are given as a guide only. Adjustment of spray parameters is to be set according to the size and type of job i.e. atomizing air pressure depends on the length of the line and direction of feed.

ADDITIONAL NOTE

CL 9920 might experience chalking when expose to weathering. This effect will not deter the performance of the coating. A proper surface cleaning need to carried out to remove the loose powder prior to Subsequent coat application. Insufficient curing of applied product can cause the applied coat to fail. Therefore necessary precautions should be considered to avoid the applied product not being to expose to high moisture or in contact with water prior to or immediate after the application. Over application should be avoided. This might lead to coating defect such as sagging. It is not advisable to mix paint when the paint temperature is more than 35°C. This might lead to formation of coating defects such as poor paint adhesion, pinholing and dry spray. For maximum performance curing temperature should be above 10 °C. Surface temperature must always be above 3°C above dew point. Relative humidity should not exceed 85%.

Epoxy Coatings Characteristics:

The curing reaction the epoxy paint will start immediately after mixing both base and hardener, in general the Pot life of the mixed product approximately halved by a 10 °C increase in ambient temperature and become double for 10 °C decrease in temperature.

HEALTH AND SAFETY

Avoid skin contact and spillage. Do not breathe or inhale the spray mist. Application needs to be carried out well ventilated area. Wear suitable PPE and safety clothing. In the event of an accidentals skin contact wash with soap and water or approved cleanser. In contact with eye flushed with plenty of warm water and medical attention sought immediately.

For further information please refer to Material Safety data Sheet.

DISCLAIMER

The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product is often used under conditions beyond the control, it is the sole responsibility of the buyer to obtain confirmation from the manufacture on the suitability of the product for the intended use. Therefore, the manufacturer can accept no liability for the performance of the product, or any loss or damage arising out of such use. We reserve the right to change the given data without notice.