

Epicol SF Solvent Free Epoxy

Product Description	A two pack solvent free epoxy , for steelwork in contact with potable water and for use as a floor coating.				
Features & Use	<ul style="list-style-type: none"> Use for steel valves, pipes, storage tanks and fittings in the water industry for contact with potable water Also used as a self-levelling solvent free floor coating 				
Approvals/ Certification	<ul style="list-style-type: none"> BS6920:Part 1:2000 Specification – complying with the requirements for Water Regulations Advisory Scheme tests on water quality and is suitable for use with cold water WRAS Water Fittings Directory Reference 1207547 				
Finish	Semi-gloss				
Volume Solids	100%				
VOC Content	7 g/litre				
Film Thickness Range And Coverage		Dry Film Thickness	Wet Film Thickness	Theoretical Coverage	
	Minimum	125 µm	125 µm	8 m ² /litre	
	Maximum	500 µm	500 µm	2 m ² /litre	
	Practical coverage depends on the application method, painting conditions and the shape and roughness of the surface to be coated				
Drying Times	Applied to 125 microns DFT		+10°C	+23°C	+35°C
	Dust Free		8 hr	6 hr	4 hr
	Hard Dry		24 hr	16 hr	12 hr
	Overcoating	Minimum	36 hr	16 hr	8 hr
		Maximum	7 days	3 days	2 days
Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation					
Colours	Blue, Cream, Red				
Mix Ratio/ Product Code	Base	02ESF-	3½ parts by volume		
	Hardener	02ESF-ACT	1 part by volume		
Pot Life	1 hour at 23°C				
SG	1.48 kg/lit mixed (varies with colour)				
Storage Conditions	Store in dry, cool conditions and protect from frost				
Shelf Life	Minimum 12 months if stored as above in unopened containers				
Flash Point	Above 60°C				

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<p>Surface Preparation</p>	<ul style="list-style-type: none"> All surfaces to be coated should be dry and cleaned as necessary to remove all oil, grease, salts, weld flux or other contamination. Where necessary, remove weld spatter and grind smooth all sharp edges and weld seams Steel: blast clean to Sa2½ (ISO 8501-1:2007), surface profile 50-75 microns Concrete floors: this coating needs to be applied over a suitably prepared and sealed substrate. Please consult Axalta Coating Systems for advice 														
<p>Mixing</p>	<ul style="list-style-type: none"> Unless twin-feed spray equipment is being used, this material must be mixed thoroughly by using a mechanical mixer (with side scraper) before use. Add hardener in the correct proportions and mix thoroughly for a minimum of 2 minutes. Mix the material just before use, and consider the area to be coated and pot life of the material when deciding how many units are required Note: when using as a floor coating, do not scrape or pour out remaining residues of mixed material from the bottom and sides of the container onto the floor, as this material may be incompletely mixed and cause 'soft spots' in the applied floor coating It is recommended that all material is stored at a temperature of approximately 20°C for at least 24 hours prior to use, to aid mixing and application 														
<p>Thinner</p>	<p>Do not thin Equipment Cleaner No.5 Thinner</p>														
<p>Application Conditions</p>	<p>Only apply in conditions of good ventilation which must be maintained during drying and curing. Do not apply when rain, mist, sleet or snow are imminent. During application and drying time of the paint coating, the surface should be dry, the Relative Humidity should not exceed 85% and the steel temperature should remain at least 3°C above the dew point. Only apply this product when the above conditions can be maintained throughout the critical application and drying/curing process. Paint temperature should ideally be at a minimum of 15°C.</p>														
<p>Application Methods</p>	<table border="1"> <thead> <tr> <th>Method</th> <th>Airless Spray</th> <th>Conventional Spray</th> <th>Brush</th> <th>Roller</th> </tr> </thead> <tbody> <tr> <td></td> <td>Yes</td> <td>No</td> <td>Yes</td> <td>Yes</td> </tr> </tbody> </table>	Method	Airless Spray	Conventional Spray	Brush	Roller		Yes	No	Yes	Yes				
Method	Airless Spray	Conventional Spray	Brush	Roller											
	Yes	No	Yes	Yes											
<ul style="list-style-type: none"> Airless Spray: a 60:1 pump or twin-feed equipment is recommended. Output fluid pressure at tip 3000-3500 psi, Tip Size: 21-27 thou (0.53-0.68mm) Brush and roller should only be used for touch-up of small areas, as film build may not be achieved For use as a self-levelling floor coating: pour out the mixed product onto the primed floor and spread with a suitable trowel. Level with a mohair or felt roller, wearing spiked shoes to walk across the wet coating Refer to Axalta Coating Systems 'Epoxy Application and Curing Notes' 															
<p>Product Notes</p>	<ul style="list-style-type: none"> Where used in potable water situations, the coating should be cured for at least 21 days, and at a minimum temperature of 7°C. Prior to immersion the coated surfaces should be flushed with clean water Do not apply or cure below 7°C; temperatures above 10°C are recommended and above 15°C is preferred Like all epoxy coatings, this product will chalk on prolonged exterior exposure, the degree of which is subject to atmospheric conditions 														
<p>Health & Safety</p>	<p>Containers are provided with safety labels which should be observed. Further information about hazardous influences and protection are detailed in individual Product Safety Data Sheets. A Safety Data Sheet for this product is available on request from Axalta Coating Systems.</p>														

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