technical data



Issue Date: Oct 2018 Reference: 09FES

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Floorcote Epoxy Sealer

Product Description	A water based, two pack epoxy clear primer for floors.									
Features & Use	 Bonds strongly to concrete, cement and prepared floor areas, including damp surfaces Excellent alkali resistance Use for the priming of new and damp concrete flooring areas prior to main coating Can be used as a clear floor primer in food factories, breweries, electronic plants, farm buildings, schools and hospitals, where solvent vapours may interfere with products and processes 									
Approvals/ Certification	Please consult Axalta Coating Systems									
Finish	Semi-gloss									
Volume Solids	45 ± 2%									
VOC Content	0 g/litre									
Film Thickness Range And Coverage		Dry Film Thickness		Wet Film Thickness		Theoretical Coverage				
	Typical	35 µm		78 μm		12.8 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 35 i	Applied to 35 microns DFT		+10°C +23°C		C +35°C				
	Dust Free			5 hr	3 hr		2 hr			
	Hard Dry			10 hr	8 hr		6 hr			
	Full Cure		10	10 days 7 da		ys 5 days				
	Overcoating	Minimum Maximum				hr 24 hr Product Notes)				
	Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation									
Colours	Clear									
Mix Ratio/ Product Code	Base 09FES-BASE 1 part by volume Hardener 09FES-ACT 4 part by volume									
Pot Life	1½ hours at 23°C									
SG	1.05 kg/lt mixed									
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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	 All surfaces must be clean and free from grease, oil, laitance, dust and other contamination Bare concrete: remove dirt and contamination by detergent washing, flame cleaning or other appropriate means. For the best long term coating life, laitance should be removed by vacuum blast cleaning (recommended), power grinding or acid etching. If acid etching, more than one application may be required to produce a granular surface suitable for good adhesion. Vacuum blast cleaning should produce a surface profile appropriate to the thickness of the coating being applied. If laitance is not removed, it can detach in service along with the coating, leaving patchy areas of bare concrete Steel Floors: consult Axalta Coating Systems 								
Surface Preparation									
Mixing	Mix only in the proportions stated, mixing each component individually then together using a mechanical agitator. Agitate periodically during use to ensure product remains homogeneous.								
Thinner	Clean Water		Equipment Cleaner	Clean Water					
Application Conditions	 The concrete surface must be dry and at least 12 weeks old. The moisture content of the concrete should not exceed 6% when measured 25mm below the surface (with e.g. a Protimeter measuring in 25mm drilled holes filled with gel), or 14% when measured with a surface moisture gauge (such as a Protimeter WME (Wood Moisture Equivalent) gauge). Only apply in conditions of good ventilation which must be maintained during drying and 								
	drying time of the post exceed 85% and dew point. Only ap	paint coating, the sur and the substrate tempoply this product when ical application and d	eet or snow are immine face should be dry, the perature should remain the above conditions drying/curing process. F	Relative Hum at least 3°C a can be mainta	idity should bove the iined				
Application Methods	Method	Airless Spray	Conventional Spray	Brush	Roller				
		No	No	Yes	Yes				
	 Designed for brush or roller application. A short pile head is recommended for rollering Refer to Axalta Coating Systems 'Epoxy Application and Curing Notes' 								
Product Notes	Prime bare concrete areas by thinning the first coat with up to 10% of clean water if required to aid penetration								
	 Maximum overcoating is indefinite if clean and sound. Unworn areas should be abraded for good adhesion 								
	 Floorcote Epoxy Sealer should be overcoated with a Floorcote water based or solvent based finish after 24 hours. If no topcoat is to be applied, please consult Axalta Coating Systems for advice 								
	 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 								
Health & Safety	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.								

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