

Floorcote AQ200 Water-Based Epoxy

Product Description	A two pack, water-based epoxy floor coating for use on a range of substrates.				
Features & Use	<ul style="list-style-type: none"> Suitable for application where low odour and minimum solvent content are important, such as schools, hospitals and public buildings Excellent abrasion resistance, adhesion and chemical resistance Can be used on concrete, wood, stone, tiles and previously painted sound surfaces 				
Approvals/ Certification	Conforms to Category (j) of Directive 2004/42/EC, which carries a VOC limit of 140g/l				
Finish	Semi-gloss				
Volume Solids	55 ± 2% depending on colour				
VOC Content	3 g/litre (varies with colour)				
Film Thickness Range And Coverage		Dry Film Thickness	Wet Film Thickness	Theoretical Coverage	
	Minimum	70 µm	127 µm	7.8 m ² /litre	
	Maximum	90 µm	163 µm	6.1 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 80 microns DFT		+10°C	+23°C	+35°C
	Dust Free		10 hr	7 hr	5 hr
	Hard Dry		24 hr	16 hr	12 hr
	Full Cure		7 days	7 days	5 days
	Overcoating	Minimum	24 hr	24 hr	24 hr
		Maximum	7 days	7 days	3 days
Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation					
Colours	Grey, Red Oxide and limited range				
Mix Ratio/ Product Code	Base	09FAQ	3 parts by volume		
	Hardener	09FAQ-ACT	1 part by volume		
Pot Life	2 hours at 23°C				
SG	1.36 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				
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 No.5 Thinner			

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<p>Surface Preparation</p>	<ul style="list-style-type: none"> All surfaces must be clean, dry, 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 Previously painted floors: abrading (as well as thoroughly cleaning) the existing coating is always recommended to optimise adhesion. A test area is recommended to confirm compatibility and that adequate adhesion can be achieved Wood Floors: punch all nail heads down below the surface. Sand the surface down to clean, smooth wood using an industrial vacuum sander, cutting-in at edges with a hand sander. To give a smooth finish it is recommended to also lightly sand and vacuum between coats Steel Floors: consult Axalta Coating Systems 										
<p>Application Conditions</p>	<ul style="list-style-type: none"> 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 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 substrate 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>Application Methods</p>	<table border="1" data-bbox="451 1182 1490 1263"> <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>No</td> <td>No</td> <td>Yes</td> <td>Yes</td> </tr> </tbody> </table> <ul style="list-style-type: none"> Designed for brush or roller application. A short pile head is recommended for rolling. Dampen brush and roller head before applying. Thin with up to 10% clean water if required Refer to Axalta Coating Systems 'Epoxy Application and Curing Notes' 	Method	Airless Spray	Conventional Spray	Brush	Roller		No	No	Yes	Yes
Method	Airless Spray	Conventional Spray	Brush	Roller							
	No	No	Yes	Yes							
<p>Product Notes</p>	<ul style="list-style-type: none"> Prime bare concrete areas by thinning the first coat with up to 10% with clean water to act as a sealer coat Two full coats are recommended over sealed concrete or previously painted surfaces For anti-slip properties, after sealing or over previous intact and prepared coatings, apply one unthinned coat and sprinkle with an aggregate of suitable size to achieve required degree of anti-slip properties. When dry, sweep off excess aggregate and apply a further full coat to seal in the aggregate 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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