

LUXAFLOOR® CFS

Water Based Acrylic Concrete Flooring Sealer

PC 230

- FEATURES**
- LOW ODOUR – WATERBASED & LOW VOC
 - CLEAR COATING FOR INTERIOR & EXTERIOR APPLICATION - UV RESISTANT
 - SEAL LINE MARKING – COMPATIBLE WITH DULUX ROADMASTER® A1 & ROADMASTER® WB2
 - ACHIEVE THREE COATS IN ONE DAY – ONE HOUR RECOAT TIME

USES LUXAFLOOR® CFS, formerly known as LUXAFLOOR® WB SEALER, is a one pack water based acrylic sealer, ideal for sealing dust & dirt and sealing lines on concrete where low odour is required. This product is compatible with Dulux® line marking products Roadmaster® A1 and Roadmaster® WB2.

LUXAFLOOR® CFS is suitable for car parks, warehouses, garages, workshops, concrete driveways etc.

SPECIFICATIONS **AS 4586:2013** Refer to Luxafloor® Aggregates Technical Data Sheet for the full list of systems and ratings.

RESISTANCE GUIDE

WEATHERABILITY	Non-yellowing and resists UV on exterior exposure	SOLVENTS	Resists Petrol and has limited resistance to Diesel. Strong solvents are liable to attack the coating
HEAT RESISTANCE	Up to 65°C dry heat	WATER	Excellent resistance to rain and condensation. Do not expose to permanently damp conditions or immersion
SALTS	Good resistance to neutral and alkali salts	ALKALIS	Good resistance to splash and spillage of most common alkalis
ACIDS	Good resistance to splash and spillage of mild acids	ABRASION	Good

TYPICAL PROPERTIES AND APPLICATION DATA

CLASSIFICATION	One pack acrylic sealer		APPLICATION CONDITIONS			
	FINISH	Gloss (Dependant on number of coats)		Min	Max	
	COLOUR	Clear Colourless	Air Temp.	10°C	35°C	
			Substrate Temp.	10°C	35°C	
			Relative Humidity	85%		
		Concrete Moisture	<6%			
COMPONENTS	One		COATING THICKNESS (MICRONS)			
VOLUME SOLIDS	15%					
VOC LEVEL	<34g/L					
FLASH POINT	Not applicable					
POT LIFE	Not applicable					
MIXING RATIO V/V	Not applicable			Min	Max	Recommended
			Wet film per coat (µm)	65	140	100
			Dry film per coat (µm)	10	20	15
THINNER	Do not thin		SUITABLE SUBSTRATES	Clean concrete and other cementitious substrates.		
			PRIMERS	Suitable for application over Dulux Roadmaster® A1 and Roadmaster® WB2.		
PRODUCT CODE	599-H0251	LUXAFLOOR® CFS	TOPCOATS	LUXAFLOOR® CFS		
			APPLICATION METHODS	Brush, roller, conventional, airless spray or air assisted spray		

DRYING CHARACTERISTICS AT 15 µm DRY FILM THICKNESS*

				OVERCOAT	
Floor Temperature	Humidity	Light traffic	Full Cure	Min	Max
10° C	50%	4 Hours	7 Days	4 Hours ¹	Extended ²
15° C	50%	2 Hours	7 Days	2 Hours ¹	Extended ²
25° C	50%	1 Hour	7 Days	1 Hours ¹	Extended ²

*These figures are a guide only, as ventilation, film thickness, humidity, and other factors will influence the rate of drying.

¹Luxafloor® CFS will be suitable for over coating once it is dry and changes from cloudy to clear. Good ventilation will significantly assist in drying. The coating will take longest to dry where it pools inside cracks in the concrete. As a rule, the first coat will dry faster than the subsequent coats.

² Extended max overcoat – This product is readily recoatable with itself as long as the surface to be coated is clean, dry and free from contaminants. Limitations to recoating will be affected by weathering and contamination and will depend on the service environment.

SPREADING RATE 10.0 square metres per litre equals 15 µm dry film thickness

NOTE: Practical spreading rates will vary depending on such factors as application method, ambient conditions, surface porosity and roughness.

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TYPICAL SYSTEMS

This is a guide only and not to be used as a specification. Your specific project needs must be discussed with a Dulux Protective Coatings Consultant.

SURFACE	ENVIRONMENT	PREPARATION GUIDE	SYSTEM	DFT (µm)
UNCOATED CONCRETE	Exterior/Interior	Remove release agents and other surface contaminants	1 st Coat Luxafloor® CFS 2 nd Coat Luxafloor® CFS 3 rd Coat ² Luxafloor® CFS	15 µm 15 µm 15 µm
ROADMASTER® A1	Exterior/Interior	Allow Roadmaster® A1 to cure for 3 hours before sealing. Otherwise the coating may fry.	1 st Coat ¹ Luxafloor® CFS	15 µm
ROADMASTER® WB2	Exterior/Interior	Allow Roadmaster® WB2 to cure for 3 hours before sealing. Otherwise the coating may fry.	1 st Coat ¹ Luxafloor® CFS	15 µm

¹Multiple coats may be required to achieve a gloss finish over road marking.

²Additional coats may be required to seal especially porous concrete.

SURFACE PREPARATION	Concrete Floors: Concrete must be at least 28 days old before coating. Remove oil, grease and other oily contaminants with Gamlen CA 1 (according to the manufacturer's written instructions and all safety warnings). Diamond grind, blast-track or mechanically abrade concrete floors to remove laitance, curing compounds, hardeners, sealers and/or other contaminants and to provide a concrete surface profile of CSP 1-2 per ICRI 310.2R. Remove all dust and debris by vacuum cleaning. Large cracks, voids and other surface imperfections should be filled with a suitable epoxy filler/surfacer as recommended by your local Protective Coatings Representative.			
APPLICATION BRUSH/ROLLER	Suitable for brush and roller application. Use a 10mm or 12mm synthetic woven nap sleeve. Do not use medium or long nap roller sleeves. Roller marks or "tracks" may appear whilst the coating is being applied, but these will dry out. When brushing and rolling, additional coats may be required to attain the specified thickness.			
SPRAY APPLICATION	Airless Spray			
	Tip Orifice	Atomising Pressure	Mat'l Hose ID	Pump Manifold Filter
	0.010" – 0.015" (254 - 381 microns)	1,100 – 1500 psi (75.84 – 103.42 bar)	1/4" or 3/8" (6 or 10 mm)	100 mesh (149 microns)
PRECAUTIONS	<p>This is an industrial product designed for use by experienced Protective Coating applicators. Ensure that you read and understand the safety precautions on the relevant Safety Data Sheets before using. The surface to be coated must be totally free of contaminants. Do not apply at temperatures below 10°C. Do not apply at relative humidity above 85% or when the surface is less than 3°C above the dewpoint. The rate of cure is dependent upon temperature. Where application conditions are outside the parameters stated in this Product Data Sheet, or where any variation to the recommendations are sought, contact your Dulux® technical representative for written specifications prior to application.</p> <p>Note – Rubber-tyred vehicles, particularly those using new high-performance car tyres, may cause yellowing or staining on floor coatings. The rubber can contain materials that will migrate into the surface coating and cause this effect. This is dependent on the composition and age of the tyre and may affect all coatings to a greater or lesser extent. Refer to our tech note (https://www.duluxprotectivecoatings.com.au/media/1542/139-concrete-floors-tyre-staining.pdf) to find out more about tyre staining and how it can be managed. Dulux Protective Coatings cannot guarantee the resistance of our coatings to this effect and will take no responsibility where tyre staining occurs.</p>			
CLEAN UP	Clean all equipment with potable water immediately after use.			
OVERCOATING	Degrease with Gamlen CA 1 according to the manufacturer's written instructions and all safety warnings. As a general rule, do not overcoat this material with a two-pack coating. When overcoating, test the adhesion of the existing coating by standard cross hatch adhesion test. If the coating fails, remove it. If coating inside, fill any cracks or defects in the concrete with an appropriate filler and spot prime bare areas with the specified floor coating. Mechanically grind the existing coating to remove any gloss and create a good key for the new coating. Vacuum clean to remove all dust.			
SAFETY PRECAUTIONS	Read Technical Data Sheet, SAFETY DATA SHEET and any precautions on container labels. SAFETY DATA SHEET is available from Customer Service (13 23 77) or www.duluxprotectivecoatings.com.au			
STORAGE	Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10 of the Safety data sheet. Store away from sources of heat and/or ignition. Keep container standing upright. Keep containers closed when not in use - check regularly for leaks.			
HANDLING	Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of vapour, mist or aerosols.			
USING	Use with good ventilation and avoid inhalation of spray mists and fumes. Users must comply with the provisions of the respective Local Spray Painting Regulations at all times.			
FLAMMABILITY	This product is not flammable. On burning will emit toxic fumes.			

COMPANY INFORMATION

Dulux Protective Coatings a division of
DuluxGroup (Australia) Pty Ltd
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PACKAGING, TRANSPORT AND STORAGE

PACKAGING Available in 15 litre packs
TRANSPORTATION WEIGHT 1.10kg/L
DANGEROUS GOODS Non-dangerous goods

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CHEMICAL RESISTANCE GUIDE

Chemical	Splash & spill (24hr removal)	Chemical	Splash & spill (24hr removal)
Alkali		Solvents and Fluids	
10% Sodium Hydroxide	Excellent	Engine Oil 5W40	Excellent
		Engine Oil 20W50	Excellent
Acid		Petrol	Excellent
10% Sulphuric acid	Excellent	Diesel	Good (S)
		Brake Fluid DOT3	Good (S)
		Brake Fluid DOT4	Good (S)
		Skydrol	Not recommended
		Xylene	Not recommended

*S = Concrete staining observed

The above chart relates to a coating system of three coats of Luxafloor® CFS allowed to cure for 7 days.