

# LUXAFLOOR® ACS

## Acrylic Concrete Sealer

**PC 228**

- FEATURES**
- CLEAR COATING FOR INTERIOR & EXTERIOR CONCRETE SURFACES
  - UV RESISTANT – NON YELLOWING
  - IDEAL DUST PROOFING
  - SUITABLE FOR SEALING LINE MARKINGS
  - EXCELLENT PENETRATION INTO SURFACE
  - PREVENTS OILS PENETRATING INTO THE SURFACE
  - SINGLE PACK
  - EASY TO APPLY

**USES** LUXAFLOOR® ACS is a clear solvent based acrylic concrete sealer that suppresses dust and produces a more easily cleaned surface. It also resists the penetration of oils and other liquids into the surface.

LUXAFLOOR® ACS is ideal for use in warehouses, garages, workshops, car parks, concrete driveways etc. It can be applied to concrete surfaces by brush, roller or spray methods.

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

### RESISTANCE GUIDE

<b>WEATHERABILITY</b>	Non yellowing and excellent gloss retention on exterior exposure	<b>SOLVENTS</b>	Resists alcohol, mineral turpentine and similar solvents. Esters, ketones, ethers, chlorinated solvents or similar strong solvents are liable to attack the coating
<b>HEAT RESISTANCE</b>	Up to 100°C dry heat	<b>WATER</b>	Resists rain and condensation. Not recommended for permanently damp conditions or immersion
<b>SALTS</b>	Excellent resistance to neutral and alkali salts	<b>ALKALIS</b>	Excellent resistance to splash and spillage of most common alkalis
<b>ACIDS</b>	Good resistance to splash and spillage of mild acids	<b>ABRASION</b>	Excellent

### TYPICAL PROPERTIES AND APPLICATION DATA

<b>CLASSIFICATION</b>	Solution acrylic	<b>APPLICATION CONDITIONS</b>			
<b>FINISH</b>	Gloss		Min	Max	
<b>COLOUR</b>	Clear colourless	<b>Air Temp.</b>	10°C	45°C	
		<b>Substrate Temp.</b>	10°C	45°C	
		<b>Relative Humidity</b>		85%	
		<b>Concrete Moisture</b>		<6%	
<b>COMPONENTS</b>	One	<b>COATING THICKNESS (MICRONS)</b>			
<b>VOLUME SOLIDS</b>	16%		Min	Max	Recommended
<b>VOC LEVEL</b>	<710 g/L	<b>Wet film per coat (µm)</b>	65	125	95
<b>FLASH POINT</b>	4°C	<b>Dry film per coat (µm)</b>	10	20	15
<b>POT LIFE</b>	Not applicable	<b>SUITABLE SUBSTRATES</b>	Clean concrete and other cementitious substrates		
<b>MIXING RATIO V/V</b>	Single Pack	<b>PRIMERS</b>	Not applicable		
<b>THINNER</b>	965-63020 Dulux® CR Reducer	<b>TOPCOATS</b>	Not applicable		
<b>PRODUCT CODE</b>	599-H0138 Clear	<b>APPLICATION METHODS</b>	Brush, Roller, Conventional and Airless spray		

### DRYING CHARACTERISTICS AT 15 µm DRY FILM THICKNESS

Floor Temperature	Humidity	Touch	Light Traffic	Full Cure	OVERCOAT	
					Min	Max*
25° C	50%	4 Hours	16 Hours	7 Days	12 Hours	Extended

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

### SPREADING RATE 10.6 square metres per litre equals 15 µm dry film thickness

ASSUMING NO LOSSES

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

# LUXAFLOOR® ACS

## 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)
CONCRETE	Exterior/Interior	Clean surface to remove contaminants. Diamond grind, track or light-shot blast. Remove dust.	1 <sup>st</sup> Coat Luxafloor® ACS 2 <sup>nd</sup> Coat Luxafloor® ACS	15 µm 15 µm

NOTE: Additional coats may be required on porous or coarse surfaces or in areas of heavy traffic.

<b>SURFACE PREPARATION</b>	Luxafloor® ACS is designed for application to concrete surfaces that are sound, dry, clean and free of oil and grease contamination and any other coating. Luxafloor® ACS will not properly adhere to surfaces that had been treated with curing compounds or bond breakers; these treatments must be completely removed before application. <b>Concrete Floors:</b> 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 filler/surfacer as recommended by your local Protective Coatings Representative.
<b>APPLICATION</b>	Mix each can thoroughly using a power mixer until the contents are uniform. Remix thoroughly before application.
<b>BRUSH/ROLLER/SPRAY</b>	Apply at least two (2) coats. Additional coats may be required on porous or coarse surfaces or in areas of heavy traffic. When applying by brush, make sure to work the coating into all surface irregularities and apply liberally. When applying by roller, Dulux® recommends a short-nap sleeve. Note - thinning is not normally required, however if necessary use up to 50ml per litre of Dulux® CR Reducer. Ensure the surface is completely and uniformly coated – avoid "ponding", as this may result in shiny patches and slower curing.
<b>PRECAUTIONS</b>	This is an industrial product designed for use by experienced Protective Coating applicators. Where conditions may require variation from the recommendations on this Product Data Sheet contact your nearest Dulux® Consultant for advice prior to painting. Do not apply in conditions outside the parameters stated in this document without the express written consent of Dulux® Australia. Do not apply at relative humidity above 85% or when the surface is less than 3°C above the dewpoint. Do not apply to exterior surfaces when rain threatens. The concrete surface must be cured at least 28 days before application of this product. This product MUST NOT be applied over curing compounds and/or bond breakers. Ensure the surface is completely and uniformly coated without thick or "ponded" areas which may adversely affect curing.
<b>CLEAN UP</b>	Clean all equipment with Dulux® CR Reducer immediately after use.
<b>OVERCOATING</b>	Degrease with Gamlen CA 1 according to the manufacturer's written instructions and all safety warnings. Test adhesion of existing coating by standard cross hatch adhesion test. If the coating fails, remove it. Fill any cracks or defects in the concrete with a suitable epoxy filler. 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.
<b>SAFETY PRECAUTIONS</b>	<b>Read Data Sheet, SAFETY DATA SHEET and any precautions on container labels. SAFETY DATA SHEET is available from Customer Service (13 23 77) or <a href="http://www.duluxprotectivecoatings.com.au">www.duluxprotectivecoatings.com.au</a></b>
<b>STORAGE</b>	Store as required for a flammable liquid Class 3 in a bonded area under cover. Store in well-ventilated area away from sources of heat or ignition. Keep containers closed at all times.
<b>HANDLING</b>	As with any chemical, ingestion, inhalation and prolonged or repeated skin contact should be avoided by good occupational work practice. Eye protection approved to AS1337 should be worn where there is a risk of splashes entering the eyes. Always wash hands before smoking, eating, drinking or using the toilet.
<b>USING</b>	Use with good ventilation and avoid inhalation of spray mists and fumes. If risk of inhalation of spray mists exists, wear combined organic vapour/particulate respirator. When spraying, users must comply with their respective State Spray Painting Regulations.
<b>FLAMMABILITY</b>	This product is flammable. All sources of ignition must be eliminated in, or near the working area. DO NOT SMOKE. Fight fire with foam, CO <sub>2</sub> or dry chemical powder. On burning will emit toxic fumes.
<b>WELDING</b>	Avoid inhalation of fumes if welding surfaces coated with this paint. Grind off coating before welding.

## COMPANY INFORMATION

Dulux Protective Coatings a division of

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## PACKAGING, TRANSPORT AND STORAGE

PACKAGING Available in 15 litre pails

TRANSPORTATION WEIGHT 0.895 kg/litre

DAINGEROUS GOODS Class 3 UN 1263

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