

# LUXAFLOOR® CP

## Single Pack Clear Moisture Curing Polyurethane

PC 229

### FEATURES

- MOISTURE CURING POLYURETHANE
- UV RESISTANT AND NON-YELLOWING – CONTAINS PROTECTIVE UV ABSORBERS
- SUITABLE FOR INTERIOR AND EXTERIOR USE
- SUITABLE FOR INDUSTRIAL AND COMMERCIAL FLOORING
- SINGLE PACK CONVENIENCE – EASY TO APPLY
- TWO GLOSS LEVELS – GLOSS AND LOW SHEEN

### USES

LUXAFLOOR® CP is a clear, colourless, moisture curing, aliphatic (non-yellowing), clear urethane coating for brush, or roller application. LUXAFLOOR® CP is a high performance clear finish coat for ground concrete.

When applied to diamond ground concrete, LUXAFLOOR® CP enhances the aggregate particles in the floor, imparting a contemporary "polished concrete" look that also protects against staining from spills.

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

### RESISTANCE GUIDE

WEATHERABILITY	Very good	SOLVENTS	Very good resistance to splash and spillage of aromatic and aliphatic hydrocarbon solvents and alcohols
HEAT RESISTANCE	Up to 120°C dry heat	WATER	Very good resistance to fresh and salt water but not suitable for immersion
SALTS	Excellent resistance to neutral and alkaline salts	ALKALIS	Good resistance to splash and spillage of most common alkalis
ACIDS	Good resistance to splash and spillage of mild acids	ABRASION	Good when fully cured

### TYPICAL PROPERTIES AND APPLICATION DATA

CLASSIFICATION	Aliphatic polyurethane prepolymer	APPLICATION CONDITIONS		
FINISH	Gloss and Low Sheen	Air Temp.	Min 10°C	Max 45°C
COLOUR	Colourless	Substrate Temp.	10°C	45°C
		Relative Humidity	40%	85%
		Concrete Moisture	<6%	
COMPONENTS	One	COATING THICKNESS (MICRONS)		
VOLUME SOLIDS	43% (Gloss), 30% (Low Sheen)	GLOSS	Min 70	Max 128 Recommended 93
VOC LEVEL	<550 g/L (Gloss), <713 g/L (Low Sheen)	Wet film per coat (µm)	30	55 40
FLASH POINT	40°C	Dry film per coat (µm)	83	125 100
POT LIFE	Not applicable	Wet film per coat (µm)	25	38 30
MIXING RATIO V/V	Not applicable	LOW SHEEN		
THINNER	Not recommended	Wet film per coat (µm)		
CLEAN UP	965-63023 Dulux® Urethane Thinner	Dry film per coat (µm)		
PRODUCT CODE	760-H0152 Luxafloor® CP Gloss 760-H0200 Luxafloor® CP Low Sheen	SUITABLE SUBSTRATES	Diamond ground or track blasted concrete	
		APPLICATION METHODS	Brush and roller	

### DRYING CHARACTERISTICS AT 40 µm DRY FILM THICKNESS\*

#### LUXAFLOOR® CP GLOSS

OVERCOAT					
Floor Temperature	Humidity	Touch	Light Traffic	Full Cure	Min
25° C	50%	6 Hours	24 Hours	7 Days	6 Hours 48 Hours

#### SPREADING RATE

ASSUMING NO LOSSES

**10.8 square metres per litre equals 40 µm dry film thickness**

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

## DRYING CHARACTERISTICS AT 30 µm DRY FILM THICKNESS\*

### LUXAFLOOR® CP LOW SHEEN

OVERCOAT						
Floor Temperature	Humidity	Touch	Light Traffic	Full Cure	Min	Max <sup>1</sup>
25° C	50%	6 Hours	24 Hours	7 Days	12 Hours	48 Hours

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

<sup>1</sup> If the maximum overcoat interval is exceeded then the surface MUST be abraded to ensure maximum intercoat adhesion.

### SPREADING RATE

ASSUMING NO LOSSES

**10 square metres per litre equals 30 µm dry film thickness**

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

## LUXAFLOOR® CP

### 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	Remove curing agents and other surface contaminants. Diamond grind or track blast	1 <sup>st</sup> Coat Luxafloor® CP Gloss 2 <sup>nd</sup> Coat Luxafloor® CP Gloss 3 <sup>rd</sup> Coat Luxafloor® CP Gloss	40 µm 40 µm 40 µm
CONCRETE	Exterior/Interior	Remove curing agents and other surface contaminants. Diamond grind or track blast	1 <sup>st</sup> Coat Luxafloor® CP Gloss 2 <sup>nd</sup> Coat Luxafloor® CP Gloss 3 <sup>rd</sup> Coat Luxafloor® CP Low Sheen	40 µm 40 µm 30 µm

NOTE: If application is by brush or roller, additional coats will be necessary to achieve the minimum DFT and full opacity

<b>SURFACE PREPARATION</b>	<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>	Shake can before use. Decant sufficient for immediate use into a roller tray or working pot. Seal original container to prevent exposure to moisture. Decant only that sufficient for 30 minutes use. <b>NOTE: DO NOT RETURN UNUSED PRODUCT TO ORIGINAL CONTAINER.</b>
<b>BRUSH/ROLLER</b>	Apply by floor brush or mohair roller. Sand lightly between coats to remove defects. Thinning not normally recommended. When brushing and rolling additional coats may be required to attain the specified thickness.
<b>CONVENTIONAL SPRAY</b>	Not recommended
<b>AIRLESS SPRAY</b>	Not recommended
<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 written consent of Dulux® Australia. The rate of cure is dependent upon temperature. 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 surface to be coated must be totally free of moisture and contaminants. Do not use this product for this application without consulting a Dulux® Protective Coatings Representative.  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 ( <a href="https://www.duluxprotectivecoatings.com.au/media/1542/139-concrete-floors-tire-staining.pdf">https://www.duluxprotectivecoatings.com.au/media/1542/139-concrete-floors-tire-staining.pdf</a> ) 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.
<b>CLEAN UP</b>	Clean all equipment with Dulux® Urethane Thinner (965-63023) 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 Product 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 bunded 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.
<b>COMPANY INFORMATION</b>	<b>PACKAGING, TRANSPORT AND STORAGE</b>
Dulux Protective Coatings a division of	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <b>PACKAGING</b>            Luxafloor® CP Gloss – 4 litre &amp; 10 litre cans            Luxafloor® CP Low Sheen – 4 litre cans         </div> <div style="width: 45%;"> <b>TRANSPORTATION WEIGHT</b>            Luxafloor® CP Gloss – 1.01 kg/litre            Luxafloor® CP Low Sheen – 1.025 kg/litre         </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;"> <b>DANGEROUS GOODS</b>            Class 3 UN 1263         </div> </div>
DuluxGroup (Australia) Pty Ltd 1956 Dandenong Road, Clayton 3168 A.B.N. 67 000 049 427	DuluxGroup (New Zealand) Pty Ltd 150 Hutt Park Road, Lower Hutt, NZ A.B.N. 55 133 404 118

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