

LUXAFLOOR® PTX

Polyurethane Floor Topcoat

PC 701

- FEATURES**
- EXCELLENT HIGH BUILD BRUSH & ROLLER APPLICATION
 - SUPERIOR GLOSS & COLOUR RETENTION
 - GOOD CHEMICAL & ABRASION RESISTANCE
 - AVAILABLE IN A WIDE RANGE OF COLOURS FROM THE LUXAFLOOR® COLOUR CHART

USES LUXAFLOOR® PTX is a high performance, high build recoatable polyurethane floor coating designed for ease of use and exceptional flow out. LUXAFLOOR® PTX exhibits excellent gloss and colour retention under extreme UV exposure. LUXAFLOOR® PTX can be used over LUXAFLOOR® LGE as a smooth floor coating, and with LUXAFLOOR® AGGREGATES for slip resistant finishes.

LUXAFLOOR® PTX is available in a wide range colours from the LUXAFLOOR® Colour Chart and can be matched to most colours in the Dulux® World of Colour range through the COLORFAST™ Tint System.

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

RESISTANCE GUIDE

WEATHERABILITY	Excellent gloss and colour retention on exterior exposure	SOLVENTS	Resists splash and spillage of most hydrocarbon solvents, refined petroleum products and most common alcohols
HEAT RESISTANCE	Up to 120°C dry heat	WATER	Excellent resistance to fresh and salt water but not suitable for immersion
SALTS	Unaffected by splash and spillage of neutral and alkaline salt solutions	ALKALIS	Good resistance to splash and spillage of most common alkalis
ACIDS	Excellent resistance to splash and spillage of most acids	ABRASION	Excellent when fully cured

TYPICAL PROPERTIES AND APPLICATION DATA

CLASSIFICATION	Acrylic polyurethane coating	APPLICATION CONDITIONS			
FINISH	Gloss		Min	Max	
COLOUR	Wide range of tinted colours and N35 Light Grey	Air Temp.	10°C	45°C	
		Substrate Temp.	10°C	45°C	
		Relative Humidity		85%	
		Concrete Moisture		<6%	
COMPONENTS	Two	COATING THICKNESS (MICRONS)			
VOLUME SOLIDS	70% (White)		Min	Max	Recommended
VOC LEVEL	<280 g/L (White)	Wet film per coat (µm)	110	180	145
FLASH POINT	42°C	Dry film per coat (µm)	75	125	100
POT LIFE	2 Hours (4 Litre kit, 25°C)				
MIXING RATIO V/V	Part A : 4 Part B : 1	SUITABLE SUBSTRATES	Suitably primed diamond ground or track blasted concrete		
THINNER	965-42166 Duthin® 040	PRIMERS	Luxafloor® Primer, Luxafloor® LGE, and Luxafloor® HSG		
PRODUCT CODE	771-63001 White/Light Base 771-63002 Deep Base 771-63003 Clear Base 771-38678 N35 Light Grey 976-H0160 Standard Hardener	TOPCOATS	Not applicable		
		APPLICATION METHODS	Brush, roller, conventional, airless spray or air assisted spray		

DRYING CHARACTERISTICS AT 100 µm DRY FILM THICKNESS*

Floor Temperature	Humidity	Touch	Light Traffic	Full Cure	OVERCOAT	
					Min	Max
15° C	50%	10 Hours	36 Hours	7 Days	24 Hours	Extended
25° C	50%	3 Hours	24 Hours	7 Days	10 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

assuming no losses

7.0 square metres per litre equals 100 µm dry film thickness

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

LUXAFLOOR® PTX

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 to provide a key	1 st Coat Luxafloor® LGE	125 µm
			OR	
			1 st Coat Luxafloor® Primer 2 nd Coat Luxafloor® PTX	100 µm 100 µm
CONCRETE	Exterior/ Interior - Slip Resistant	Remove curing agents and other surface contaminants. Diamond grind or track blast to provide a key	1 st Coat Luxafloor® LGE Thin by 10 - 15%	125 µm
			2 nd Coat Luxafloor® LGE	125 µm
			3 rd Coat Luxafloor® PTX Mix in Stir-In Aggregate Coarse @ 30g/L	100 µm
CONCRETE	Exterior/ Interior - Slip Resistant	Remove curing agents and other surface contaminants. Diamond grind or track blast to provide a key	1 st Coat Luxafloor® LGE Thin by 10 - 15% Sprinkle Broadcast Aggregate No. 36 at 50g/m ² while still wet	125 µm
			OR	
			1 st Coat Luxafloor® Primer 2 nd Coat Luxafloor® PTX	100 µm 100 µm

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

SURFACE PREPARATION	Specifiers should follow the surface preparation guidelines from the data sheet of the primer used. The first coat must be clean, sound and free from moisture, grease and other contaminants. If application of the second coat has exceeded the recoat window of the first coat (refer to data sheet) then the entire surface MUST be abraded.
APPLICATION	Mix each can thoroughly using a power mixer until the contents are uniform. Ensure bases have been tinted to the correct colour before use. DULUX® ASSUMES NO RESPONSIBILITY FOR THE APPLICATION OF INCORRECT COLOUR. Mix the contents of both packs together thoroughly with a power mixer and let stand for 10 minutes. Box all containers before use to ensure colour consistency. Remix thoroughly before application.
BRUSH/ROLLER	Apply even coats of the mixed material to the prepared surface. Thin, if necessary, with up to 50 ml/litre with Duthin® 040 (965-42166) to aid application. When brushing and rolling additional coats may be required to attain the specified thickness. Note - If a highly decorative appearance is required it may be necessary to adjust thinning levels (up to 100 – 150ml/litre), roller type and application technique.
CONVENTIONAL SPRAY	Thin up to 100 ml/litre with DUTHIN® 040 (965-42166) to aid atomisation. Typical Set-up Graco AirPro: 1.8mm (239543) Pressure at Triton 308: 65-100 kPa (10-15 p.s.i.) Pressure at Gun: 385-420 kPa (55-60 p.s.i.)
AIRLESS SPRAY	Standard airless spray equipment such as a Graco Xtreme 45:1 with a fluid tip of 15-19 thou (0.38-0.48mm) and an air supply capable of delivering 550-690 kPa (80-100 p.s.i.) at the pump. Thinning is not normally required but up to 50 ml/litre of Duthin® 040 (965-42166) may be added to aid application.
PRECAUTIONS	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. Freshly mixed material must not be added to material that has been mixed for some time. 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. Ensure that you read and understand the safety precautions on the Material Safety Data Sheets for the two components before using. The recommended thinner MUST be used as some solvents react with the isocyanate hardener seriously degrading the life of the coating. Under no circumstances should water or non-specified thinner be allowed to contaminate the product. 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.
CLEAN UP	Clean all equipment with Duthin® 040 (965-42166) immediately after use
OVERCOATING	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. Use a suitable epoxy filling mortar to fill any cracks or defects in the concrete. Spot prime bare areas with Luxafloor® LGE. 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 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 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.
HANDLING	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.
USING	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.
FLAMMABILITY	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 ₂ or dry chemical powder. On burning will emit toxic fumes.
WELDING	Avoid inhalation of fumes if welding surfaces coated with this paint. Grind off coating before welding.

COMPANY INFORMATION

PACKAGING, TRANSPORT AND STORAGE

Dulux Protective Coatings a division of

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

PACKAGING	Available in 10 litre packs
TRANSPORTATION WEIGHT	1.43 kg/litre (Average of components)
DANGEROUS GOODS	Part A: Class 3 UN 1263 Part B: Class 3 UN 1263

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