

LUXAFLOOR® PTX

Polyurethane Floor Topcoat

PC 701

- FEATURES**
- EXCELLENT HIGH BUILD BRUSH & ROLLER APPLICATION
 - SUPERIOR GLOSS & COLOUR RETENTION
 - GOOD CHEMICAL & ABRASION RESISTANCE
 - AVAILABLE IN ALL THE 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 all the colours on 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/NZS 4586 – 2004 Wet Pendulum Rating of W (using Luxafloor® Stir In Aggregate Coarse), and V (when using Luxafloor® Broadcast Aggregate No 36)

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 | Full 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 | | <10% | |
| 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) | SUITABLE SUBSTRATES | Suitably primed diamond ground or track blasted concrete | | |
| MIXING RATIO V/V | Part A : 4 Part B : 1 | PRIMERS | Luxafloor® LGE | | |
| THINNER | 965-42166 Duthin® 040 | TOPCOATS | Not applicable | | |
| PRODUCT CODE | 771-63001 White/Light Base 771-63002 Deep Base 771-63003 Clear Base 771-38678 N35 Light Grey 976-H0160 Standard Hardener | 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 |
| | | | 2 nd Coat | Luxafloor® PTX | 100 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 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 | 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 |
| | | | 2 nd Coat | Luxafloor® PTX | 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 Luxafloor® LGE data sheet. 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. |
| 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 an epoxy filling mortar such as Dulux® Luxepoxy® Filler 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

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, TRANSPORT AND STORAGE

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

Dulux, and Luxafloor are registered trade marks of DuluxGroup (Australia) Pty Ltd.

Any advice, recommendation, information, assistance or service provided by Dulux Australia in relation to goods manufactured by it or their use and application is given in good faith and is believed by Dulux to be appropriate and reliable. However, any advice, recommendation, information, assistance or service provided by Dulux is provided without liability or responsibility PROVIDED THAT the foregoing shall not exclude, limit, restrict or modify the right entitlements and remedies conferred upon any person or the liabilities imposed upon Dulux by any condition or warranty implied by Commonwealth, State or Territory Act or ordinance void or prohibiting such exclusion limitation or modification. Products can be expected to perform as indicated in this sheet so long as applications and application procedures are as recommended. Specific advice should be sought from Dulux for application in highly corrosive areas and for large projects to ensure proper performance.