

# LUXAFLOOR® WB

## Water Borne Epoxy Floor Coating

**PC 298**

- FEATURES**
- VERY TOUGH FILM – SUITABLE FOR COMMERCIAL CAR PARKS
  - WATER BORNE LOW VOC – LESS THAN 10g/L – AND LOW ODOUR
  - EXCELLENT ADHESION TO CONCRETE
  - GOOD CHEMICAL RESISTANCE
  - GLOSS FINISH THAT IS EASY TO CLEAN
  - AVAILABLE IN A RANGE OF FACTORY MADE AND TINTED COLOURS AND CLEAR

**USES** LUXAFLOOR® WB is a low build, water borne, two pack epoxy floor coating that provides a hardwearing gloss finish. It is ideal for use in areas subject to foot traffic and rubber-tyred vehicle traffic. Can be applied as a slip resistant finish by using LUXAFLOOR® STIR-IN AGGREGATE FINE. LUXAFLOOR® WB is ideal for use in internal floor areas where the odour of conventional epoxy floor coatings prevents their use.

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

### RESISTANCE GUIDE

|                        |  |                 |  |
|------------------------|--|-----------------|--|
| <b>WEATHERABILITY</b>  | Epoxy coatings yellow with time and chalk on exterior exposure. Neither yellowing nor chalking detracts from the protective properties of the coating. | <b>SOLVENTS</b> | Good resistance to splash and spillage of aromatic and aliphatic hydrocarbon solvents and alcohols |
| <b>HEAT RESISTANCE</b> | Up to 120°C dry heat   | <b>WATER</b>    | Excellent resistance to fresh and salt water but not suitable for immersion                        |
| <b>SALTS</b>           | Excellent resistance to neutral and alkaline salts   | <b>ALKALIS</b>  | Good resistance to splash and spillage of most common alkalis                                      |
| <b>ACIDS</b>           | Good resistance to splash and spillage of dilute acids   | <b>ABRASION</b> | Excellent when fully cured   |
|                        |  | <b>ADHESION</b> | Excellent adhesion to concrete when fully cured  |

### TYPICAL PROPERTIES AND APPLICATION DATA

|                             |  |                                    |   |      |             |
|-----------------------------|--|------------------------------------|---|------|-------------|
| <b>CLASSIFICATION</b>       | Water Borne Epoxy Coating  | <b>APPLICATION CONDITIONS</b>      |   |      |             |
| <b>FINISH</b>               | Gloss  |                                    | Min   | Max  |             |
| <b>COLOUR</b>               | Clear, Light Grey, Pewter, Jade, Koala Grey, Signal Red, and a range of colours from the Luxafloor® Colour Chart (Deep Base)   | <b>Air Temp.</b>                   | 10°C  | 35°C |             |
| <b>COMPONENTS</b>           | Two  | <b>Substrate Temp.</b>             | 10°C  | 35°C |             |
| <b>VOLUME SOLIDS</b>        | 50%  | <b>Relative Humidity</b>           |   | 70%  |             |
| <b>VOC LEVEL</b>            | <10 g/L  | <b>Concrete Moisture</b>           |   | <6%  |             |
| <b>FLASH POINT</b>          | Non Flammable  | <b>COATING THICKNESS (MICRONS)</b> |   |      |             |
| <b>POT LIFE<sup>1</sup></b> | 45 minutes (10 litre kit, 25°C)  |                                    | Min   | Max  | Recommended |
| <b>MIXING RATIO V/V</b>     | Part A : 3 Part B : 1  | <b>Wet film per coat (µm)</b>      | 80  | 160  | 130         |
| <b>THINNER</b>              | Potable water  | <b>Dry film per coat (µm)</b>      | 40  | 80   | 65          |
| <b>PRODUCT CODE</b>         | 728-04914 Deep Base<br>728-38678 Light Grey<br>728-38661 Pewter<br>728-38717 Koala Grey<br>728-38866 Jade<br>728-39079 Signal Red<br>728-89899 Clearcoat<br>976-H0139 Hardener | <b>SUITABLE SUBSTRATES</b>         | Diamond ground or track blasted concrete      |      |             |
|                             |  | <b>PRIMERS</b>                     | Not applicable                                |      |             |
|                             |  | <b>TOPCOATS</b>                    | Not Applicable                                |      |             |
|                             |  | <b>APPLICATION METHODS</b>         | Brush, roller, conventional and airless spray |      |             |

### DRYING CHARACTERISTICS AT 65 µm DRY FILM THICKNESS

| Floor Temperature | Humidity | Touch    | Light Traffic | Full Cure | OVERCOAT         |                  |
|-------------------|----------|----------|---------------|-----------|------------------|------------------|
|                   |          |          |               |           | Min <sup>2</sup> | Max <sup>3</sup> |
| 10° C             | 50%      | 12 Hours | 72 Hours      | 14 Days   | 24 Hours         | 48 Hours         |
| 25° C             | 50%      | 4 Hour   | 24 Hours      | 7 Days    | 6 Hours          | 24 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> Do not use any product past its pot life, even if it still appears fit for use; it will develop substantially reduced gloss and may show excessive brittleness and other defects.

<sup>2</sup> Higher film builds can be achieved by spray application but this will extend drying times.

<sup>3</sup> If the maximum overcoat interval is exceeded then the surface MUST be abraded to ensure maximum intercoat adhesion.

### SPREADING RATE 7.7 square metres per litre equals 65 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® WB

## 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 | Interior    | Remove curing agents and other surface contaminants. Diamond grind or track blast | 1 <sup>st</sup> Coat Luxafloor® WB<br>2 <sup>nd</sup> Coat Luxafloor® WB | 65 µm<br>65 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 2-3 per ICRI 310.2R. Remove all dust and debris by vacuum cleaning. Large cracks, voids and other surface imperfections should be filled with Luxafloor® Filler or other 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. 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 3 minutes. Box all containers before use to ensure colour consistency. Remix thoroughly before application. To aid application and penetration into the concrete, thin the first coat up to 15% with fresh potable water. (Add the water with stirring after the Part A and Part B have been thoroughly mixed together).   |                         |                            |  |
| <b>BRUSH/ROLLER</b>        | Cut in with brush around perimeter of floor. Roller application is preferred method. Apply even coats of mixed material to the prepared surface. It is recommended that typical "X" and "Y" roller patterns be used, working in small areas of up to 10m <sup>2</sup> at a time, keeping a wet-edge moving forward. When brushing and rolling additional coats may be required to attain the specified thickness.  |                         |                            |  |
| <b>CONVENTIONAL SPRAY</b>  | All equipment previously used with solvent based paints should be flushed sequentially with acetone, methylated spirits and finally water before use.  |                         |                            |  |
|                            | Typical Set-up   | Graco AirPro:           | 1.8mm (239543)             |  |
|                            |  | Pressure at Triton 308: | 70-100 kPa (10-15 p.s.i.)  |  |
|                            |  | Pressure at Gun:        | 380-410 kPa (55-60 p.s.i.) |  |
| <b>AIRLESS SPRAY</b>       | Flush equipment sequentially with acetone, methylated spirits and finally water before use. Standard airless spray equipment such as a Graco Xtreme 30:1 with a fluid tip of 17-21 thou (0.43-0.53mm) and an air supply capable of delivering 550-690 kPa (80-100 p.s.i.) at the pump.   |                         |                            |  |
| <b>PRECAUTIONS</b>         | This is an industrial product designed for use by experienced 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. <b>Do not use any product past its pot life.</b> Product past its pot life may still appear fit for use but will develop substantially reduced gloss and may develop brittleness. 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 5°C, or where the surface temperature is below 5°C. Do not apply at relative humidity above 70% or when the surface is less than 3°C above the dewpoint. Product should be protected against ponding water for 24 hours after application. After this period ponding water may cause temporary lightening of the colour, which will recover after the surface is dried. When applying this product to broad surfaces, use only one application method to avoid colour variation or streaking. |                         |                            |  |
| <b>CLEAN UP</b>            | Clean all equipment by thoroughly flushing with water and then ethanol or methylated spirits.  |                         |                            |  |
| <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 Dulux® Luxepoxy® 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>             | Both components are NOT classified as dangerous goods for transport or storage. Store in well ventilated bunded area under cover and away from sources of heat. 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 non flammable. 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

DuluxGroup (Australia) Pty Ltd  
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## PACKAGING, TRANSPORT AND STORAGE

|                       |  |
|-----------------------|--|
| PACKAGING             | Available in 10 litre packs                                |
| TRANSPORTATION WEIGHT | 1.34 kg/litre (Average of components)                      |
| DANGEROUS GOODS       | Part A: Non Dangerous Goods<br>Part B: Non Dangerous Goods |

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