



Product Range Brochure

# Luxafloor®

High Performance Concrete Floor Coatings

**Protection you can count on.**

Luxafloor® is a high performance range of concrete floor coatings suitable for industrial applications such as office areas, commercial car parks & garage floors, warehouses, manufacturing facilities, retail areas and showrooms.

## Luxafloor® Water Based

Luxafloor water based coatings are ideal to use when low VOC is required. Luxafloor WB and Luxafloor ECO2 comply with the Green Building Council low VOC requirements.



### Luxafloor® WB

Gloss Two Pack Epoxy

- Low odour
- Low VOC
- Ideal for interior areas subject to high wear



### Luxafloor® ECO2®

Semi-Gloss Two Pack Epoxy

- Fast drying – same day recoat\*
- Easy to apply – two hour pot life\*
- Ideal for areas subject to foot traffic

\* Times stated are based on temperature of 25°C and 50% relative humidity.

## Luxafloor® Express

The Luxafloor Express range is designed to return assets to service faster. These products should be used together to meet time critical deadlines on projects.



### Luxafloor® FCF

Two Pack Topcoat

- Recoat in 2 hours\*
- Faster return to service – full cure in one day\*
- Long pot life – 8 hours\*
- Use on more jobs – interior and exterior durable

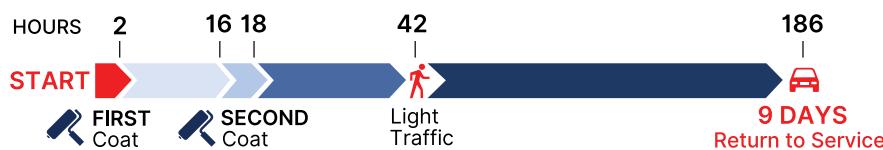


### Luxafloor® Primer

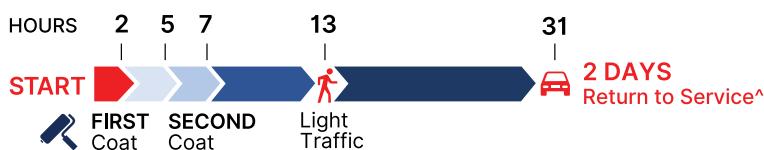
Two Pack Primer

- Create a complete system with Luxafloor FCF
- Can be used in conjunction with any pigmented Luxafloor® flooring topcoat to help return assets to service faster
- Two coats achievable in one day with any Luxafloor topcoat\*
- Ready for use – no thinning required

#### Standard Epoxy Floor Coating with Standard Hardener



#### 1<sup>st</sup> coat: Luxafloor® Express Primer . 2<sup>nd</sup> coat: Luxafloor® FCF



\* Times stated are based on temperature of 25°C and 50% relative humidity.

<sup>^</sup> Comparison at 25°C and 50% relative humidity. Total service time will vary. Application time has been calculated at 2 hours. Timeline is based on continuous work.

## Luxafloor® High Build

Luxafloor high build range of coatings are recommended for high traffic areas where there is likely to be increased wear and tear. Products in this range have excellent durability and chemical resistance due to the high build nature of the coatings.



### Luxafloor® HSG

High Gloss Two Pack Epoxy

- Ideal for interior areas subject to high wear
- Easy to apply – good flow out
- Excellent chemical resistance



### Luxafloor® LGE

Low Gloss Two Pack Epoxy

- Ideal for interior areas subject to high wear
- Easy to apply – good flow out
- Excellent chemical resistance



### Luxafloor® PTX

Gloss Two Pack Polyurethane

- Exterior durable – UV resistant
- Superior gloss and colour retention
- Good chemical and abrasion resistance

## Luxafloor® Clears

Luxafloor Clears are single pack, interior and exterior durable products. These products are suitable for dust proofing and sealing concrete floors to improve cleaning and can create a low sheen to gloss finish.



### Luxafloor® CFS

**Formerly known as Luxafloor WB Sealer**

Water Based Acrylic Concrete Sealer

- Low odour and low VOC
- Three coats achieved in one day – fast one hour recoat time\*
- Suitable for sealing Dulux® line marking products Roadmaster® A1 and Roadmaster WB2



### Luxafloor® CP

Polyurethane Concrete Sealer

- Medium build – good durability
- Achieve a polished concrete finish
- Available in gloss and low sheen

\* Times stated are based on temperature of 25°C and 50% relative humidity.

## Luxafloor® Slip Resistant Additives

Luxafloor® Aggregates are additives ideal for use with most Luxafloor floor coatings to provide slip resistance when required.



### With Luxafloor® Stir-In Fine

- Small mesh size aggregate for lower volume solids products
- Easy to use pre measured dosage
- Suitable for pedestrian traffic

### With Luxafloor® Stir-In Coarse

- Medium mesh size aggregate for higher volume solids products
- Easy to use pre measured dosage
- Suitable for pedestrian traffic

### With Luxafloor® Broadcast Aggregate No.36

- Tougher aggregate suitable for higher traffic areas
- Ideal for thicker films and higher build coatings

|             | Luxafloor® Product                                      | Wet pendulum (P rating) | Oil wet inclining platform (R rating) | Wet pendulum (P rating) | Oil wet inclining platform (R rating) | Wet pendulum (P rating) | Oil wet inclining platform (R rating) |
|-------------|---|-------------------------|---------------------------------------|-------------------------|---------------------------------------|-------------------------|---------------------------------------|
| Water Based | <b>Luxafloor WB</b><br><b>Luxafloor ECO<sub>2</sub></b> | P4<br>P4                | R11<br>R11                            | -<br>-                  | -<br>-                                | P5<br>P5                | R13<br>-                              |
| Express     | <b>Luxafloor FCF</b>                                    | P4                      | R10                                   | P4                      | R10                                   | P5                      | R13                                   |
| High Build  | <b>Luxafloor HSG</b>                                    | P3                      | R9                                    | P4                      | R9                                    | P5                      | R10                                   |
|             | <b>Luxafloor PTX</b>                                    | P3                      | R10                                   | P4                      | R10                                   | P5                      | R13                                   |
|             | <b>Luxafloor LGE</b>                                    | P4                      | R10                                   | P4                      | R10                                   | P5                      | R12                                   |
| Clears      | <b>Luxafloor CP Gloss</b>                               | P4                      | R11                                   | -                       | -                                     | P5                      | -                                     |
|             | <b>Luxafloor CP Low Sheen</b>                           | P4                      | R10                                   | -                       | -                                     | P5                      | -                                     |

1. Slip ratings are dependent on film thickness, dosage and the area the coating is being applied.

2. Slip ratings are tested by an independent third party according to AS 4586: 2013 Slip resistance classification of new pedestrian surface materials – Appendix A (Wet pendulum slip resistance) and Appendix D (Oil-wet inclining platform slip resistance). Refer to Luxafloor Aggregates Technical Data Sheet for the full list of systems and ratings.

# Luxafloor® Surface Preparation

## Diamond Grind

Diamond grinders use horizontally rotating discs to clean, level and smooth the concrete surface. Most diamond grinders have full vacuum extraction that will significantly reduce the level of dust produced by the grinding process.

Well-executed diamond grinding completely removes laitance and levels off imperfections on the concrete surface. This method produces a flat, smooth surface with a profile ideal for all floor coatings.

## Shot Blast

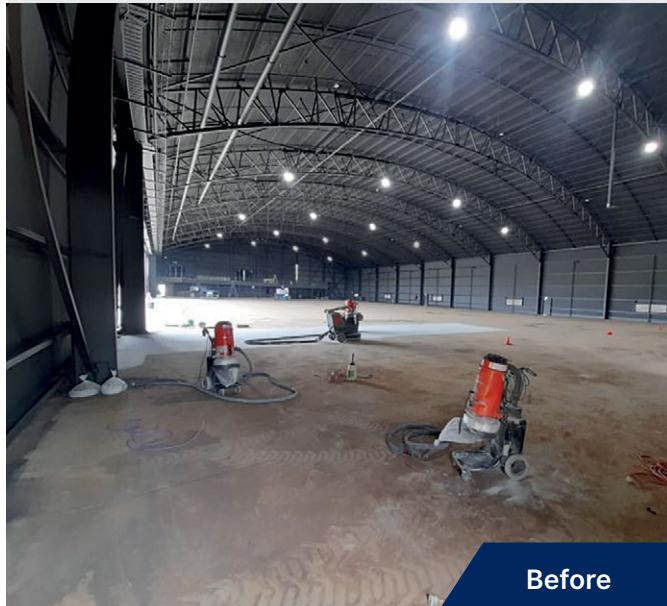
Shot Blasting is a one-step preparation technique that removes laitance, paint, old coatings, dirt and other contaminants and profiles the concrete surface all at once. Most common shot blasters have full vacuum extraction that will significantly reduce the level of dust produced by the blasting process.

Tiny steel shot is directed at high velocity to the concrete surface. This breaks up and removes the top layer, including loosely bound laitance. The shot bounces back into the system and is recycled while the dust is removed by vacuum. The use of fine shot will produce a concrete profile suitable for nearly all coating types.

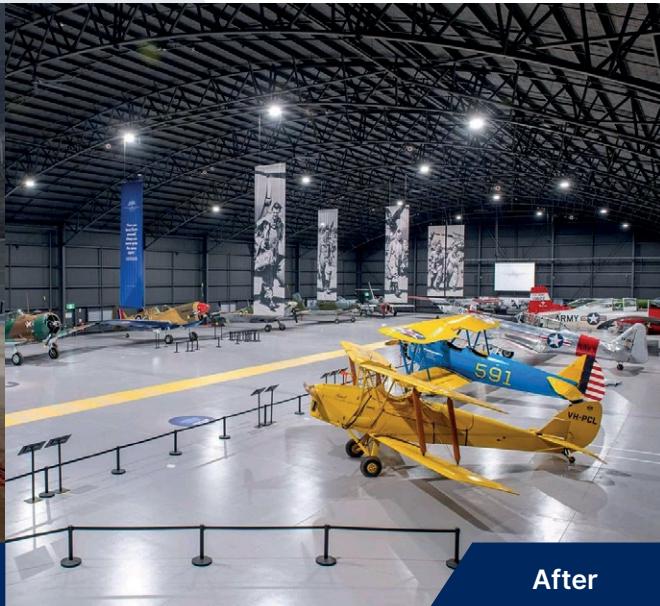
## Rectification

Any cracks, small holes and other imperfections in the concrete floor should be cleaned out and filled using a 100% solids, two pack epoxy filler. This filler won't shrink, so it can be toolled off flush with the concrete surface. Ensure the crack is not under filled or over filled, as any unevenness will show through the coating.

## Scone Airport Hunter Warbirds Museum, NSW



Before



After

**Coating system applied:** Luxafloor® LGE and Luxafloor® PTX

## Luxafloor® Product Summary

|                | Product                          | Interior/<br>Exterior | Pot<br>Life* | Light<br>Traffic | Dry Times            |               | Volume<br>Solids | Spreading<br>Rate<br>(sqm/L) | Colour<br>Range |
|----------------|----------------------------------|-----------------------|--------------|------------------|----------------------|---------------|------------------|------------------------------|-----------------|
|                |                                  |                       |              |                  | Recoat* <sup>1</sup> | Full<br>Cure* |                  |                              |                 |
| Water<br>Based | <b>Luxafloor WB</b>              | Interior              | 1 Hour       | 24 Hours         | 6 Hours              | 7 Days        | 50%              | 7.7                          | Tintable        |
|                | <b>Luxafloor ECO<sub>2</sub></b> | Interior              | 2 Hours      | 24 Hours         | 4 Hours              | 7 Days        | 42%              | 6.5                          | Limited         |
| Express        | <b>Luxafloor FCF</b>             | Both                  | 8 hours      | 2 Hours          | 2 Hours              | 1 Day         | 75%<br>(White)   | 10.0                         | Limited         |
|                | <b>Luxafloor Primer</b>          | Interior              | 1 Hour       | 3 Hours          | 3 Hours              | 7 Days        | 64%              | 7.2                          | No              |
| High Build     | <b>Luxafloor LGE</b>             | Interior              | 1.5 Hours    | 24 hours         | 14 Hours             | 7 Days        | 84%<br>(White)   | 6.7                          | Tintable        |
|                | <b>Luxafloor HSG</b>             | Interior              | 1 Hour       | 16 hours         | 6 Hours              | 7 Days        | 85%<br>(White)   | 7.0                          | Tintable        |
|                | <b>Luxafloor PTX</b>             | Both                  | 2 Hours      | 24 hours         | 10 Hours             | 7 Days        | 70%<br>(White)   | 7.0                          | Tintable        |
| Clears         | <b>Luxafloor CFS</b>             | Both                  | N/A          | 1 Hour           | 1 Hour               | 7 Days        | 15%              | 10.0                         | No              |
|                | <b>Luxafloor CP</b>              | Both                  | N/A          | 24 hours         | 12 Hours             | 7 Days        | 43%<br>(Gloss)   | 10.8                         | No              |

For further product information refer to the relevant product data sheet.

\* All figures are measured at 25°C and 50% relative humidity. Figures will vary when applied outside of these parameters.

1. Light traffic refers to the suitable amount of time before the floor can be walked on. Recoat time refers to the minimum amount of time before the floor can be recoated.

For further application information, please see our product data sheets available on our website, or contact us via our website or customer service on 13 23 77 for more information.

### Australia

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### New Zealand

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