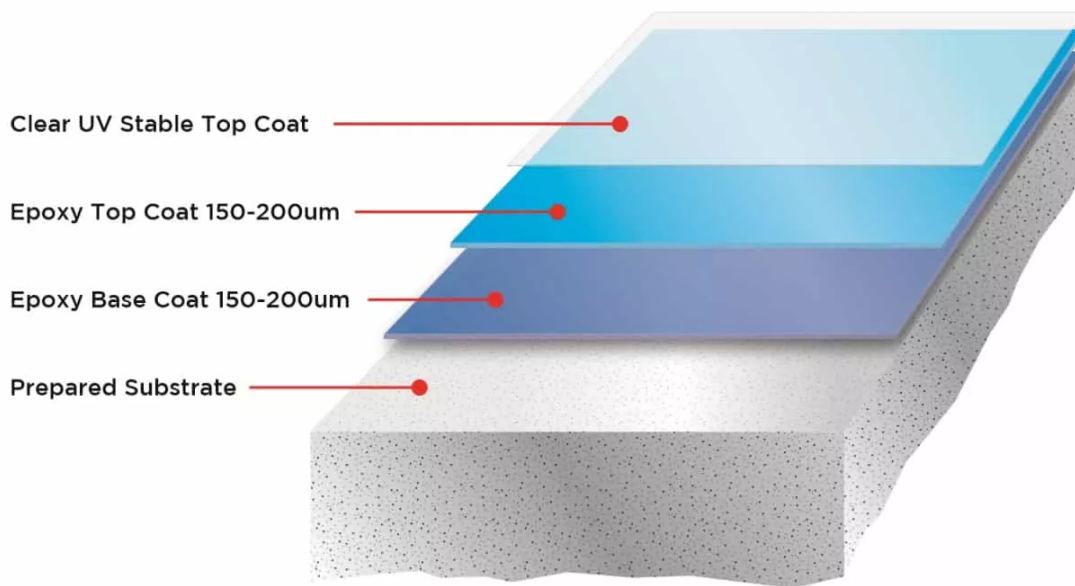


Specification

Adflex INDUSTRIAL Epoxy Flooring System



Selections	Options
Epoxy Coating	Adflex Industrial Flooring system
Color	[Insert colour choice here from Australian Standard colour chart AS2700]
Thickness	400 microns or greater
Surface Preparation Method	Adflex-approved methods and materials
Application Method	Adflex-approved roller application
Number of Coats	Three coats
Nonslip Properties Requirement	P0 - P5

Specification

Adflex Industrial Epoxy Flooring

1. General

1.1 Scope

This specification covers the requirements for the supply and application of Adflex epoxy coatings for use on concrete as required by the architect.

1.2 This specification covers the requirements for the supply and application of epoxy coatings for use on concrete, and other surfaces, as required by the architect.

2. Materials

2.1 Epoxy Coating

The epoxy coating shall be Adflex two-component, high solids, low VOC, solvent-free system, and Adflex two component Polyaspartic top coat, complying with the following requirements:

- Tensile strength: 8 MPa minimum.
- Elongation: 30% minimum.
- Adhesion strength: 1 MPa minimum (concrete substrate).
- Abrasion resistance: 50 mg maximum (CS-17 Wheel, 1000 cycles).
- Chemical resistance: excellent resistance to acids, alkalis, salts, oils and solvents.
- Colour: as selected by the architect.

2.2 Surface Preparation Materials

All surface preparation materials shall be compatible with the Adflex epoxy coating system and shall comply with the manufacturer's recommendations.

3. Execution

3.1 Surface Preparation

The surface preparation shall be in accordance with AS 3894.3 and AS 1627.4, and shall include the following steps:

- Removal of all loose, flaking, or contaminated material from the surface.
- Grinding, scarifying, or shot blasting of the surface to achieve a minimum surface profile to achieve drop test absorption under 60 seconds.
- Cleaning of the surface with a suitable detergent and water if needed.
- Drying of the surface to a moisture content of less than 5%.

3.2 Coating Application

The epoxy coating shall be applied in accordance with the manufacturer's recommendations and the following requirements:

- The ambient temperature shall be between 10°C and 30°C during application and curing.
- The relative humidity shall be less than 80%.
- The coating shall be applied at a rate of 200 microns minimum thickness per coat.
- The coating shall be applied using a roller application method.
- The coating shall be applied in three coats within minimum and maximum re-coating times.
- Final thickness of coating shall achieve 400 microns or more DFT.

4. Inspection and Testing

4.1 Inspection

The coating shall be inspected for quality and appearance in accordance with the manufacturer's recommendations and the architect's specifications.

4.2 Testing, where required

The coating shall be tested for adhesion strength in accordance with ASTM D4541, and for other relevant properties as required by the architect.

Non slip testing by pendulum test by NATA approved third party contractor.

5. Warranty

5.1 Warranty Period

The manufacturer shall provide a warranty for the epoxy coating system for a period of 2 years from the date of substantial completion.