



CONCEAL CONCRETE WATERPROOFING PTY. LTD.

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AUSSIETEX III

Description

At 350% elongation, **Aussietex III** is classified as a “Class III membrane” (high extensibility) within the new AS 3740-2004 “Waterproofing of wet areas within residential buildings”. Under the Standard, the more a membrane stretches without tearing, or bends without breaking when subjected to joint movement, the better it is suited to waterproofing, especially when used in conjunction with the appropriate bond breaker type and application. **Aussietex III** should only be applied by a fully trained operator

Characteristics

1. 1:1 (volume) mix ratio
2. **LOW PRESSURE** plural component equipment is required to apply **Aussietex III**
3. 100% solids and exceptionally low V.O.C's
4. Fast build to required thickness (reduces labour and time)
5. Fast Tack Free Time (TFT) of 2 minutes
6. Fast curing for quick turn around times (can walk on after 30 minutes)
7. Excellent resistance to long term exposure to moisture
8. Will not corrode
9. Resistant to mould and fungal growth
10. Good abrasion resistance and toughness
11. Bonds to most substrates when the appropriate surface preparation and recommended primers are used
12. Long term retention of flexibility
13. Although **Aussietex III** is resistant to UV and weathering some colours may change more than others with exposure. (Rate of colour change depends on application thickness, choice of colour, addition of aggregate into top coat and exposure to UV).

Surface Preparation

1. **Concrete:** ~ Surface should be clean and slightly rough. Prime with a single coat of 100WB
2. **Aluminium:** ~ Degrease. Abrasive grit blast to Class 2½ blast.

Adhering Tiles and Carpets

Tiles, artificial grass, paints and other coatings may be applied over **Aussietex III**. Advice needs to be obtained

1. **Tiles** ~ Several companies have tested and approved the use of their adhesives for adhering to **Aussietex III** for use in waterproofing applications. *It is important that applicators carry out work to AS 3958 Part 1, 1991*
2. **Adhering Artificial Grass and Outdoor Carpet** ~ Several companies have tested and approved the use of their artificial grass adhesive over **Aussietex III**

Application Thickness

Minimum coating thickness of 1.0mm is recommended. Several millimetres can be achieved very quickly by allowing 50 -60 seconds to elapse between passes

Abrasive coatings ~ Light to Heavy Duty	4 ~ 7mm
Corrosion protection	1.5 ~ 3mm
Waterproofing ~ Standard Duty	1 ~ 2mm

Product Specification

Description	Iso (Part A)	Polyol (Unpigmented)
Colour	Medium Black	Opaque pale yellow
Viscosity @ 25° C (cps)	1600	180
Viscosity @ 40°C (cps)	80	60
S.G. @ 25°C	1.1	1.0



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Physical Properties

Properties	
Abrasion ~ Din (mm ³)	211
Colour (unpigmented)	Grey
Elongation (%)	350
Hardness (Shore A)	80
Specific Gravity (SG)	1.01
Tear Strength ~ Angle (MPa)	55
Tensile Strength (MPa)	8

Cure Details

The cure rate of this product is dependent on the ambient and surface temperatures

Cure rate of sprayed Aussietex III

Description	10-20°C	20-30°C	30-40°C
Tack free time	120	90	60
Gel Time	60 seconds	50 seconds	35 seconds
Cure to hard coat	70 minutes	60 minutes	45 minutes
Cure fully	1 day	20 hours	15 hours

Recoat after minimum	10 minutes	8 minutes	5 minutes
Recoat before maximum	24 hours	18 hours	18 hours

Equipment Used For Application

Use low-pressure spray equipment. Pre-heating the containers before use in colder weather will improve the finished quality of the membrane. Only applicators trained in the use of this machinery should be allowed to apply **Aussietex III**

Uses

Aussietex III may be used in many applications some of which are.....

- * Waterproofing Membrane
- * Protective Coatings
- * Corrosion Resistance
- * Electrical Insulation
- * Sound Control
- * Abrasion Resistance

Storage & Processing

Characteristics

* Store in original containers, tightly sealed, until required. (Urethane components suffer from moisture contamination)

* Don't leave Part A for extended periods in the processing equipment. Replace it with LiquiLube

* Store containers above 15° C to maintain them in good condition

* For best results pre-condition containers to 30° C

* The substrate should be at least 20° C or hotter for best application results

Description	Value
Mix ratio by VOLUME Iso to Polyol	1:1
Mix ratio by WEIGHT Iso to Polyol	100:92
Pot Life @ 25°C	25 seconds

DISCLAIMER

Any advice, recommendation, information, assistance or service provided by Conceal Concrete Waterproofing Pty Ltd in relation to goods manufactured or supplied by them or their use and application is in good faith and is believed by Conceal Concrete Waterproofing Pty Ltd to be appropriate and reliable. However, any advice, recommendation, information, assistance or service provided by Conceal Concrete Waterproofing Pty Ltd is provided without liability or responsibility.