



Sheltercoat 157

Spray Applied Waterproofing Membrane

**Body coat of the Heavy Duty Spray Applied Waterproofing
PU Membrane System**

Existing roofing system can be retained, highly reduce landfill loading
Environmental friendly, reduce noise pollution and disturbance to property users
Reduce total construction time, leads to early completion
Very high application efficiency and speed up whole re-roofing work process
Very high abrasion resistance (heavy duty) even for rubber wheels trolleys
Category of Slip Resistance – R10
Excellent adhesion and chemical resistance
Ideal for regular maintenance traffic and fit for most confined area work
Designed for spray application
Over 500% elongation
Toxic free & low VOC
Ten-year warranty including existing waterproofing system

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Description

Sheltercoat 157 Spray Applied Waterproofing Membrane is one-component moisture cured waterproofing system for waterproofing and flooring designed to be applied using airless spray techniques.

Features

- Excellent flexibility
- One component
- Good adhesion to a wide range of substrates
- Excellent chemical resistance
- Decrease of construction cost and time
- Can be applied as a single coat finish

Typical Applications

- Planter box internals.
- Roof and Deck areas
- Landscaped Decks.

Application

Application method is by airless spray gun. Surface should be primed with ARDEX WPM 300. Sheltercoat 157 spray applied waterproofing membrane should be applied at the required total thickness of 1.2 mm.

Spray apply 1st coat "Sheltercoat 157" spray type waterproofing membrane (average thickness 0.6mm) on the surface. Let it dry minimum 6 hours.

Spray apply 2nd coat "Sheltercoat 157" average thickness 0.6mm after the 1st coat has been dried minimum 6 hours.

Broadcast quartz sand before the 2nd coat of "Sheltercoat 157" was dried and let it dry minimum 6 hours.

Sand was used to improvement the slip resistant of the waterproofing membrane. Size and quantity of the quartz sand to be used will depend on the surface condition. (50g – 300g of sand / m² was suggested)

To achieve a UV stable finish Sheltercoat 157 needs to be protected using Shelter-Top spray applied PU top coat.

Priming

ARDEX WPM 300 as primer.

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Technical Performance Data

Appearance	Colored viscous liquid
Density	1.4±0.1 (g/cm ³)
Solid Content (%)	92±2
Tack free time (hrs at 25°/60%RH)	max 3
Curing time (hrs at 25°/60%RH)	
Coating thickness 1.2mm	max 24
Coating thickness 3.0mm	24 – 48
Properties of film	
Hardness (Shore A)	70±10
Tensile Strength (kgf/cm ²)	over 35 (3.43 MPa)
Elongation (%)	over 500
Adhesion to concrete	1.2 MPa
Theoretical Coverage:	
At 1mm thickness	1 m ² per litre
At 1.2 mm thickness	0.8 m ² per litre

Handling & Storage

Sheltercoat 157 Spray Applied Waterproofing Membrane can be stored for 6 months at below 25°C. Avoid prolonged exposure to humidity or temperature above 50°C. Avoid contamination with water or alcohols.

Packing

21kg in a metal container.

DISCLAIMER

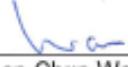
The technical details, recommendations and other information contained in this data sheet are given in good faith and represent the best of our knowledge and experience at the time of printing. It is your responsibility to ensure that our products are used and handled correctly and in accordance with any applicable Australian Standard, our instructions and recommendations and only for the uses they are intended. We also reserve the right to update information without prior notice to you to reflect our ongoing research and development program.

Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may effect specific

INSTALLATION RECOMMENDATIONS

The supply of our products and services is also subject to certain terms, warranties and exclusions, which may have already been disclosed to you in prior dealings or are otherwise available to you on request. You should make yourself familiar with them.

Appendix - The Slip Resistance Test

FUGRO TECHNICAL SERVICES LIMITED Fugro Development Centre, 5 Lok Yi Street, Tai Lam, Tuen Mun, N.T., Hong Kong.		Tel : +852 2450 8233 Fax : +852 2450 6138 E-mail : mallab@fugro.com Website : www.materiallab.com			
		Page 1 of 2			
Client Ref. : --					
Report No. : 155554ST151189					
<u>REPORT ON DETERMINATION OF THE SLIP RESISTANCE PROPERTIES OF FLOORING SURFACES</u>					
<u>Information Supplied by Client</u>					
Client	: ARDEX HONG KONG LTD.				
Project	: TESTING OF WATERPROOFING MEMBRANE				
Sample Description	: Sheltercoat 157 spray applied waterproofing system (sample 1)				
	Size	: 960mm x 470mm			
	Surface	: --			
	Finish	: --			
	Color	: --			
	Model	: --			
<u>Laboratory Information</u>					
Lab. Sample I.D.	: ST151189/1				
Date Received	: 08/12/2015				
Date Tested	: 21/12/2015				
Test Method	: DIN 51130 : 2003-08				
<u>Test Results</u>					
Technician 1			Technician 2		
Item	Limiting Angle (°) for Test Surface		Item	Limiting Angle (°) for Test Surface	
Test 1	19.1		Test 1	18.0	
Test 2	19.2		Test 2	18.2	
Test 3	18.8		Test 3	17.6	
Average	19.0		Average	17.9	
Calibration Factor	-2.5		Calibration Factor	-1.6	
Corrected Value	16.5		Corrected Value	16.3	
Average Value			16.4		
Category of Slip Resistance			R10		
Classification of the Corrected Average Acceptance Angle into Categories of Slip Resistance					
Corrected Average Acceptance Angle		Category of Slip Resistance			
6° to 10°		R9			
Over 10° up to 19°		R10			
Over 19° up to 27°		R11			
Over 27° up to 35°		R12			
Over 35°		R13			
Remarks	: 1.) The test results relate only to the sample tested. 2.) The test sample is shown in the photographs on page 2 of this report.				
Checked By :		Date :	21 JAN 2016	Certified By :	 Date : 21 JAN 2016
Chan Chun Wai Ivan Manager (Product Testing Laboratory)					
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