

LONGSEAL®

LONGSEAL 100 Self Adhesive Waterproof Membrane

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DESCRIPTION

LONGSEAL 100 is a high performance, cold applied waterproof membrane, manufactured from tough cross-orientated HDPE film to a layer of rubber modified bitumen adhesive. The advanced backing film gives improved technical performance on tear strength and tensile strength, puncture resistance and dimensional stability. It also offers good conformability for site application.

After installation the membrane should be covered as soon as possible with a cementitious screed or similar protective layer.

MAJOR AREAS OF USE

For General Waterproofing

- Internal and External tanking of underground structures
- Reservoirs
- Car Park and Roof Decks
- Subways, Lift Shafts and Retaining Walls

BENEFITS

- Excellent overlap integrally due to bitumen to bitumen joint
- Factory controlled thickness
- Rapid and easy cold application
- Flexible and accommodating giving excellent bond to substrate
- Non-hazardous and resistant to dilute acids and alkalis
- High performance protection against surface and ground water and soluble salts such as sulphates and chlorides
- Capable of resisting a 6 metre head of water when fully supported

TYPICAL PRODUCT DETAILS

Roll :

Length	19.05m
Width	1.05m
Area	20m ²
Weight	34kg

Recommended Minimum Overlap:

Adjacent Rolls	50mm
Roll Ends	100mm

CHASE PROTECTIVE COATINGS LIMITED
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TECHNICAL PROPERTY	UNIT	TEST METHOD	TYPICAL RESULT
Backing Film	mm	ASTM D1000	0.10
Total Membrane Thickness	mm	ASTM D1000	1.50
Tensile Strength - Membrane	N/mm	ASTM D638	4.2 Length 4.8 Width
Elongation - Membrane	%	ASTM D638	210 Length 160 Width
- Compound			>1300
Tear Strength	N	ASTM D1004	34 Length 31 Width
Puncture Resistance	N	ASTM E154	220
Adhesion - to Self	N/mm	ASTM D1000	4.0
- to Primed Concrete*			3.0
Water Vapour Transmission	g/m ² /24hr	ASTM E96	0.3
Vapour Resistance	MNs/g	BS 3177	600
Water Penetration/Joint	%	MOAT 27 (5.1.4)	NIL
Dimensional Stability	%80°C	MOAT 27 (5.1.6)	- 0.1 Length - 0.2 Width
Temperature Range:		Tropical	Temperate
Application	°C	+15 to +45	+5 to +35
Storage		Below 45	Below 35
Primer	LONGSEAL MEMBRANE PRIMER		
Approx. Coverage*	8m ² /1		

*Results vary greatly depending on the porosity of the concrete. (Note – High porosity concrete can give significantly lower results.)

STORAGE

The membrane rolls must be stacked on end and stored in dry, well-ventilated buildings, out of direct sunlight or other major sources of heat.

Storage conditions should be adjusted before application to bring the temperature of the rolls to within the relevant specified application range. Stock should be rotated on a first in/first out basis.

HEALTH & SAFETY

Material Safety Data Sheets are available on request.

Longseal Membrane Primer gives off flammable vapour and should be stored in accordance with local hazard requirements.

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