



## Polymer modified reinforced roofing membrane

UniTorch 4 and UniTorch 3 are heat fused roofing membranes which will provide complete waterproofing protection for low pitch decks. *Locally manufactured to suit our unique weather conditions.*

### Fields of Application

Developed in South Africa specifically for local conditions, the **UniTorch** membranes are designed around tough high performance synthetic fibre reinforcements, fully impregnated and coated with high quality polymer modified bitumens. **UniTorch** is therefore extremely durable, with high elasticity and good low temperature stability as well as having excellent resistance to thermal shock and the effects of ageing and UV degradation.

### Features

- A single layer of **UniTorch** waterproofing membrane is used in roofing situations where the membranes are exposed.
- The reinforcements, polyester and glass fibre, are vital for dimensional stability - very important when the membrane is exposed.

The APP modified bitumen matrix is ideal for our environment with a high melting point.

- Melting point in excess of 140°C
- Material is stable at any roof temperatures (even on the hottest day)

### Technical data

		UniTorch 4	UniTorch 3
Roll - length		10 m	10 m
Roll - width		1 m	1 m
Thickness	nominal	4 mm	3 mm
Reinforcement	Polyester non woven	min 80 g/m <sup>2</sup>	} combination 90 g/m <sup>2</sup>
Reinforcement	Glassfibre	50 g/m <sup>2</sup>	
Coating	Polymer modified bitumen	yes	yes
Softening point		145°C	145°C
Low temperature flexibility	°C 20mm mandril	4	4
High temperature stability	4 hours at 90°C	exceptional	exceptional
Fatigue resistance	8000 cycles	very good	very good
Warranty on exposed membranes	Provided that paint is maintained in good condition	10 years	
<i>UniTorch must be laid in strict accordance with the manufacturer's code of good waterproofing practice.</i>			

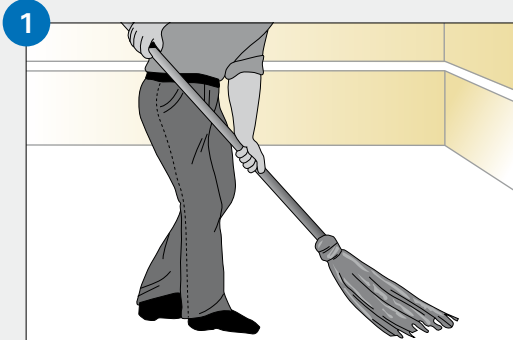
*Specifications are subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.*

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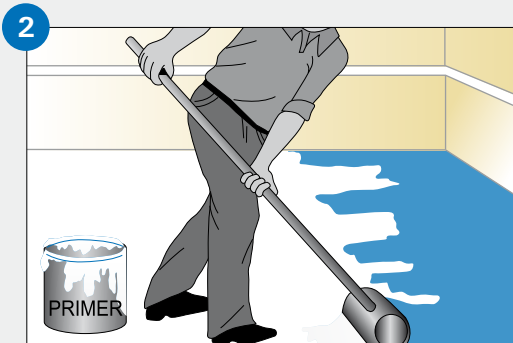


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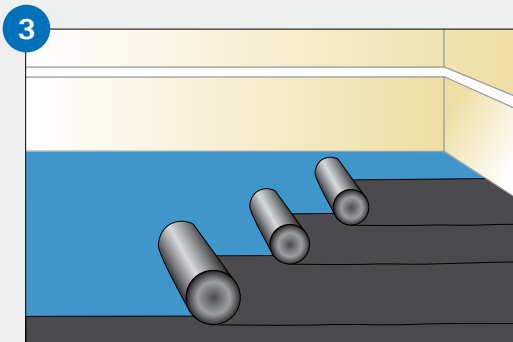
Manufactured in SA for SA conditions



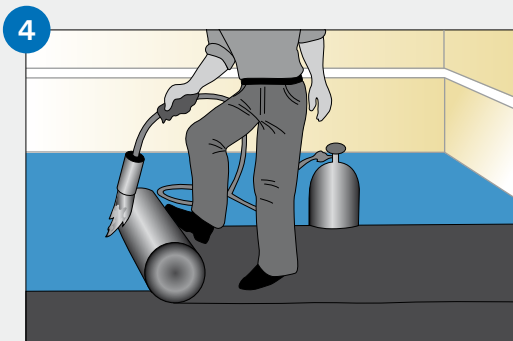
Ensure surface is free from any dust and loose debris.



Prime surface with suitable primer.



Lay UniTorch with overlap, ready to torch on.



Torch on UniTorch.

### Application

#### To screeded flat roofs to falls

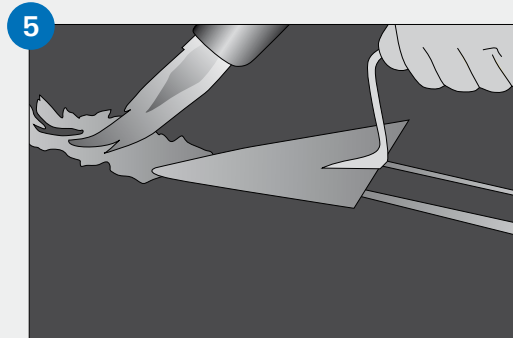
Typical specialist application by competent waterproofing contractors.

- **UniTorch** is heat fused to pre-primed smooth concrete or screeded surfaces. Overlaps are heat fused by torch-on fusion; or
- Loose laid with perimeter and lap bonding only by heat fusion

#### To timber boarded roofs to falls

- An underlayer of Interdek to be mechanically fixed prior to **UniTorch** being fully bonded thereto by the heat fusion method.
- Large pre-fabricated boards should be fixed with a 2 mm joint between each board. The joint to receive a cover strip of roofing felt (minimum 200 mm width), attached to one side only before application of the **UniTorch**.

All exposed membrane to be painted on completion with bituminous aluminium roof paint.



Seal joints with torch by applying pressure.



Finish with 2 coats of suitable paint.



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Disclaimer: The use of this product is beyond the manufacturer's control and liability is restricted to the replacement of material proven faulty. The manufacturer is not responsible for any loss or damage arising from incorrect usage. Specifications are subject to change without prior notice.

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