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# Triton TWS-EX100 Waterproofing Membrane

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Triton TWS-EX100 is a self-adhesive sheet membrane constructed from an oriented cross laminated high-density polyethylene sheeting and a bitumen-polymer adhesive compound.

The product is a tough and durable self-adhesive sheet with an overall thickness of 1.5mm.

A unique feature is the selvedge which enables secure seal on all side laps (50mm).

Triton TWS-EX100 is used to provide a water and water vapour barrier in all forms of construction. When installed and applied correctly the system provides a Type A barrier protection system in accordance with BS 8102:2009 - Table 1 and provides levels of protection for grades 1, 2 and 3 in accordance with BS 8102:2009 – Table 2. TWS-EX100 is often used as part of a combination waterproofing system alongside Platon Cavity Drain Membranes or Triton TT Admix for watertight concrete.

Under normal conditions of use Triton TWS-EX100 will provide a water and water vapour barrier for the life of the building. Specification advice is available from our Technical Department and Area Technical Managers. Visit our website for contact details: [www.tritonsystems.co.uk](http://www.tritonsystems.co.uk)

### Key benefits

- Factory controlled thickness
- Rapid sealing and bonding
- Fast and easy application
- No heating or drying
- Self sealing to minor damage
- Selvedge strip to promote immediate lap sealing
- High puncture resistance
- High joint resistance to water pressure and water vapour transmission
- BBA certificated (16/5304)

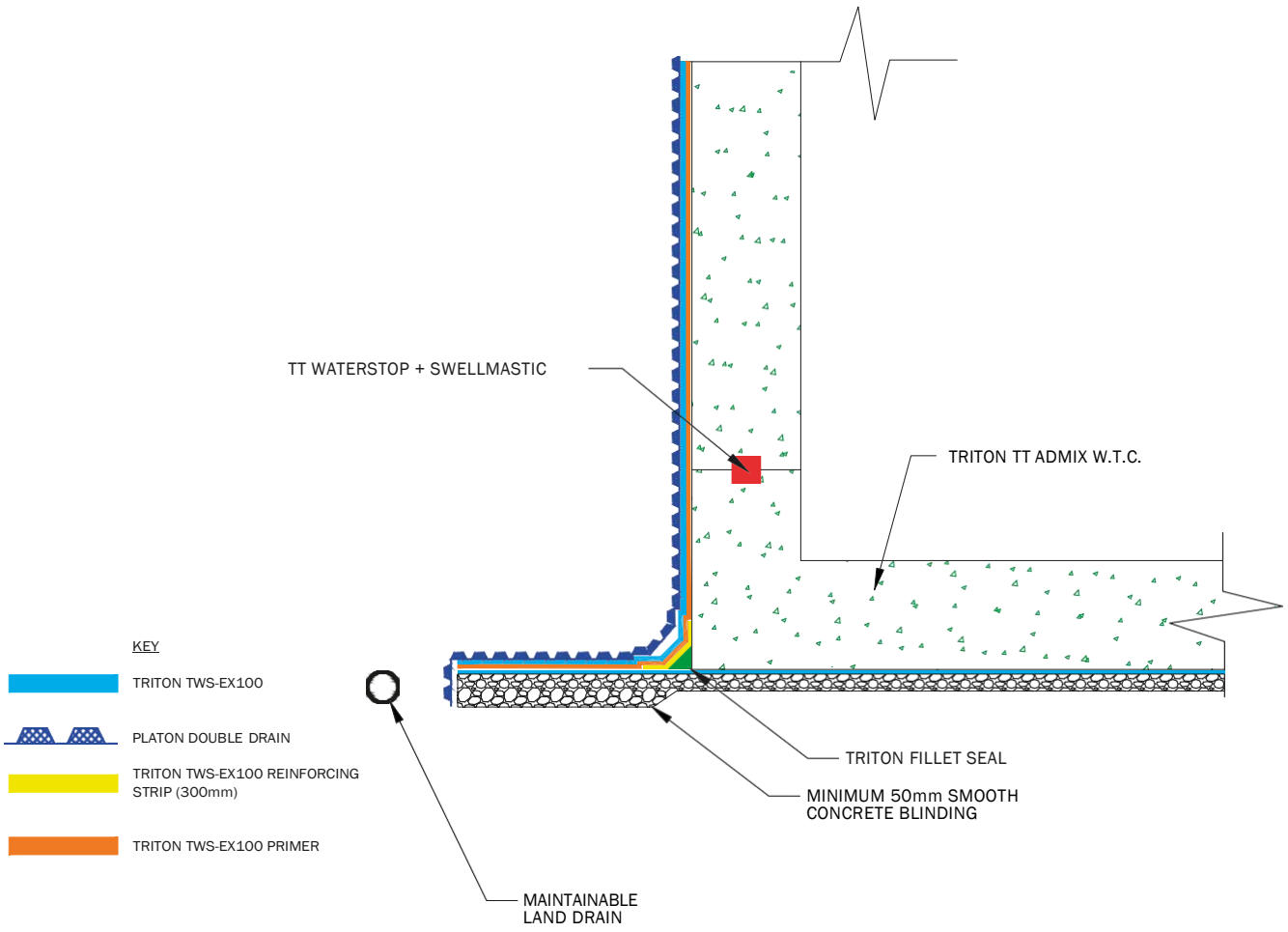
### Application

TWS-EX100 has many waterproofing applications in the construction industry including:

- Foundations
- Basements
- Roofs and podium decks
- Lift shafts, pits
- Service reservoir roofs
- Car parks
- Subways
- ICF structures
- Balconies

Specification J40 – Flexible sheet tanking / damp proofing, in accordance with NBS Clause 190.

TYPICAL TWS-EX100 EXTERNAL WATER PROOFING DETAIL



For installation advice please refer to separate application guidelines available from Triton Systems. Overlaps are 50mm edge over edge and 100mm end over end. End laps should be staggered to avoid an excessive build up of layers in one area. TWS EX Primer LT would normally be used before EX100 is applied.

### Typical properties

Property	Test method	Units	Data
<b>Dimensions:</b>			
Backing thickness	–	mm	0.10
Backing type	–	–	HDPE
Adhesive thickness	–	mm	1.40
Total thickness	–	mm	1.50
Width	–	mm	1050
Length	–	m	19.05
Weight	–	kg/m <sup>2</sup>	1.7
Carton size	–	mm	260x260x1100
Carton weight	–	kg	35
<b>Mechanical properties:</b>			
Membrane strength	ASTM D1000	N/mm	5.0
Elongation	ASTM D1000	%	300
Puncture resistance	ASTM E154	N	230
Adhesion (180° peel)	ASTM D1000	N/mm	4.0
<b>Functional data:</b>			
Water vapour transmission	ASTM E96	g/m <sup>2</sup> /24h	0.30
Water penetration % joint	MOAT 27 5.1.4	–	Nil
Dimensional stability	MOAT 26.5.1.6	%	Longitudinal: -0.1 Lateral: -0.2

### Ancillary products:

Triton Fillet Seal, 25kg.  
TWS EX Primer LT, 5 and 25 litre.  
Platon Double Drain 2x 15m.  
TWS EX Reinforcing Strip, 300mm x 19.05m

### Triton Contact Details:

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