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### Triton TWS-EX100

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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. This enables a fast and secure seal on all side edge laps.

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.

Under normal conditions of use Triton TWS-EX100 will provide a water and water vapour barrier for the life of the building.

#### 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

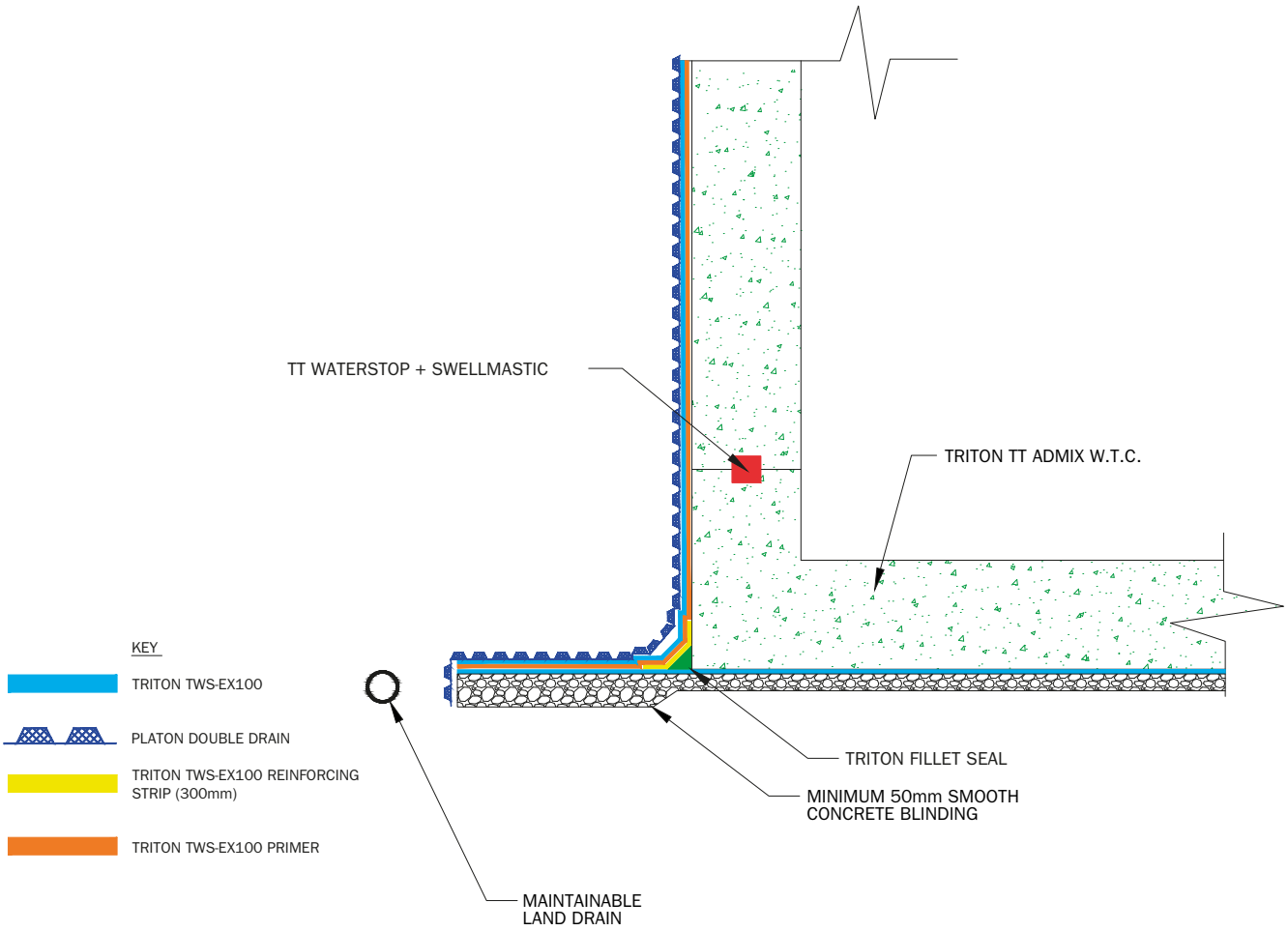
#### Application

Being water and water vapour resistant, TWS-EX100 has many waterproofing applications in the construction industry including:

- Foundations
- Basements
- Roofs and plaza decks
- Lift shafts, pits
- Service reservoir roofs
- Car parks
- Subways
- Bathrooms
- 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.

### 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

### Triton Contact Details:

Triton Systems Ltd.  
Units 3 – 5 Crayford Commercial Centre, Greyhound Way, Crayford, Kent DA1 4HF

Tel: 01322 318 830

Fax: 01322 524 017

Email: [info@tritonsystems.co.uk](mailto:info@tritonsystems.co.uk)

[www.tritonsystems.co.uk](http://www.tritonsystems.co.uk)