



# Declaration of Performance

Date: 14/08/2015 version 1

## Triton TGS-GM500

Type A in accordance with EN 13967:2012  
AVCP System 2+

Triton TGS-GM500 is a sheet membrane designed to prevent the ingress of CO<sub>2</sub> and radon gas when used in the construction of buildings and dwellings.

Essential characteristics	Test standard	Unit	Criteria	Value or Statement
Visible defects	EN 1850-2	–	Pass/Fail	Pass
Length	EN 1848-2	m	-0%/10%	25
Width	EN 1848-2	m	-2.5%/+2.5%	2
Straightness	EN 1848-2	–	Pass/Fail	Pass
Thickness	EN 1849-2	mm	-12.5%/+12.5%	0.5
Mass	EN 1849-2	g/m <sup>2</sup>	-12.5%/+12.5%	460
Tensile strength CD	EN EN12311	Nmm <sup>2</sup>	>MLV	21
Tensile strength MD	EN 12311	Nmm <sup>2</sup>	>MLV	21.2
Elongation CD	EN EN12411	%	>MLV	695
Elongation MD	EN EN12311	%	>MLV	632
Joint strength	EN 12317-2	N	>MLV	281
Resistance to impact	EN 12691	mm	Pass/Fail	Pass at 250mm
Durability (artificial ageing)	EN 1296 and EN 1928	–	Pass/Fail	Pass
Durability (chemical resistance)	EN 1847	–	Pass/Fail	Pass
Watertightness	EN 1928	–	Pass/Fail	Pass
Resistance to tearing (nailshank CD)	EN 12310-1	N	MDV	346
Resistance to tearing (nailshank MD)	EN12310-1	N	MDV	339
Resistance to static loading (soft)	EN 12730	Kg	>MDV	Pass at 5Kg
Resistance to static loading (hard)	EN 12730	Kg	>MDV	Pass at 20Kg
Radon permeability	RN-222 (SP test)	10 <sup>-12</sup> m <sup>2</sup> /s	>MDV	8(+15%-15%)
Radon transmittance	RN-222 (SP test)	10 <sup>-9</sup> m/s <sup>-1</sup>	>MDV	22(+15%-15%)
CO <sub>2</sub> permeability	Rapra tested	m <sup>2</sup> *sec <sup>-1</sup> *pa <sup>-1</sup>	>MDV	2.055*10 <sup>-17</sup>
CO <sub>2</sub> transmittance	Rapra tested	m*sec <sup>-1</sup>	>MDV	4.357*10 <sup>-9</sup>
Reaction to fire	EN 13501-1	–	Type	F

The performance of the product identified is in conformity with the declared performance above. This declaration of performance is issued under the sole responsibility of the manufacturer. Signed for an on behalf of the manufacturer by:

Name and function	Place and date of issue	Signature
Mr Roger Parker Factory Manager	Crayford, UK 17/08/2015	

**Triton Contact Details:**

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