



## Wallbarn Protecto-Drain G8 Datasheet

The dual layers comprise of the Wallbarn 8mm studded HDPE membrane and a nonwoven geotextile manufactured from UV stabilised, high tenacity, virgin polypropylene fibres that have been mechanically entangled to provide high strength, high extensibility, high loft and excellent abrasion characteristics. The geotextiles are also thermally treated to reduce thickness while maintaining excellent mechanical properties.

Technical Data	Result	Test Standards
Material	HDPE and Geotextile fabric	N/A
Total Unit Weight	0.61 Kg/m <sup>2</sup>	N/A
Total Sheet Thickness	0.97	EN 149-2
Stud Height	7 mm	N/A
<u>Colour</u>	Black	N/A
Water tightness,60 kPa; 24h	Pass	EN 1928
Working Temperature	-50°C to +80°C	N/A
Softening Temperature	126°C	N/A
Tensile Strength MD	416 N	BS 12311-2
Tensile Strength CD	488 N	BS 12311-2
Resistance to Static Loading	>20 Kg	BS 12730
Compressive Strength	205kN/m <sup>2</sup>	BS EN ISO 25619-2
Reaction to Fire	Class E	BS EN 13501-1
Type of Application	Type V	N/A
Life Expectancy	Lifetime of Structure	N/A

### Geotextile Mechanical Properties

CBR Puncture Resistance	1.27 <u>kN</u>	EN ISO 12236
Tensile Strength (M)	8 <u>kN/m</u>	EN ISO 10319
Tensile Strength (CMD)	8.5 <u>kN/m</u>	EN ISO 10319
Tensile Elongation (MD)	50%	EN ISO 10319
Tensile Elongation (CMD)	60%	EN ISO 10319
Dynamic Perforation	35 mm	EN ISO 13433

### Geotextile Hydraulic Properties

Pore Size (O90)	100 <u>µm</u>	EN ISO 12956
Permeability (H50)	79l/m <sup>2</sup> /s	EN ISO 11058

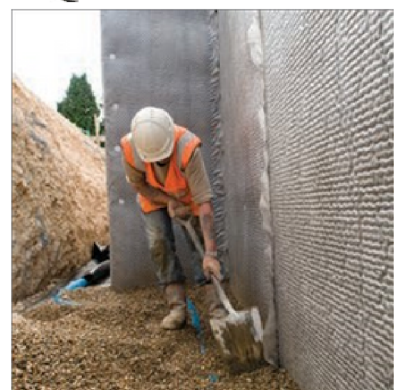
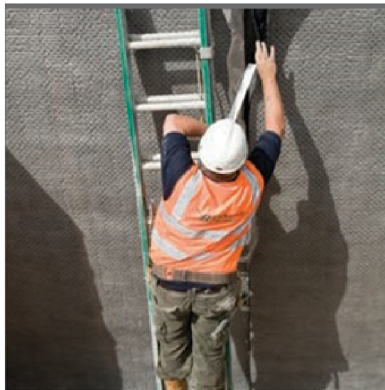
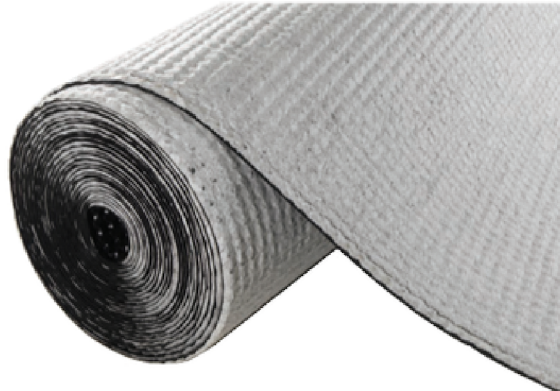
### Geotextile Physical Properties

Mass per unit area	0.11 Kg/m <sup>2</sup>	EN ISO 9864
Thickness	0.52 mm	EN ISO 9863-1



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### STORAGE & SHELF LIFE

Store in an upright position, under cover and away from high temperatures and open flames. Shelf life is the lifetime of the structure, when stored and installed in line with recommendations.

### HEALTH AND SAFETY

No specific hazards are likely to arise while using any Wallbarn Waterproofing Membranes or accessories; neither are classified as hazardous in respect to CHIP II Regulations 1999.

However, general precaution should be exercised in the use of drill etc. taking particular note of the special risk associated with working in confined spaces (basements) with restricted access/egress.

Wallbarn advise the use of appropriate PPE, including gloves, hard hat, goggles, high visibility jackets and steel toe cap boots.

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