



# Platon DOUBLEDRAIN Foundation Membrane Specification Sheet

## Introduction

Platon DOUBLEDRAIN is a uniquely studded HDPE membrane with vertical drainage channels formed on both sides. A geotextile is laminated to one side. DOUBLEDRAIN is engineered to provide soil side drainage, a waterproof barrier, wall side drainage and protection for elastomeric spray or "peel and stick" waterproofing on foundations to a depth of 20 feet.

## Operation

1. DOUBLEDRAIN's soil side geotextile and air gap provides vertical drainage for soil moisture.
2. The HDPE membrane provides a waterproof barrier.
3. The vertical channel formed behind the HDPE membrane allows any water between the DOUBLEDRAIN and waterproofing to drain as well.



## Benefits

- Quadruple foundation leakage protection when used over liquid or peel and stick waterproofing
- No hydrostatic pressure on the waterproofing
- Easily bridges 1/4" cracks
- Environmentally friendly HDPE plastic
- Mechanically fastened, all weather installation
- Can be used as a "stand alone" waterproofing and drainage layer
- Manufacturers 30-Year limited product warranty

## Workability

Platon DOUBLEDRAIN is tough but pliable and can be bent around corners and projections without the risk of breaking, even in very low temperatures. It can easily be cut with a knife or scissors. Rolls should be stored upright when stored over long periods, preferably under cover.

## Platon DOUBLEDRAIN Components

DOUBLEDRAIN Membrane - Rolls are 49' long x 6'6" high (*2m x 15m*)

Platon Cramp – "X" shaped fastener engages DOUBLEDRAIN studs through the geotextile

Platon Molding - used to seal open edges of the membrane to prevent soil ingress

## Characteristics

Minimum Sheet Thickness:	20-mil ( <i>0.50mm</i> )
Stud Height:	5/16" ( <i>8.0mm</i> )
Working Temperature:	-58°F to +176°F <i>-50°C to +80°C</i>
Softening Temperature:	+257°F <i>+125°C</i>
Air Volume:	1 gal/yd <sup>2</sup> <i>4 l/m<sup>2</sup></i>
Drainage Capacity:	10 gal/min/ft <i>2 l/m<sup>2</sup></i>
Compressive Strength:	4200 lb/ft <sup>2</sup>
Deformation-long term loading (1000 lb/ft <sup>2</sup> load)	Max 25%
Life Expectancy:	Minimum 50 years
Toxicity:	None (DOUBLEDRAIN is chemically inert and 100% environmentally friendly)
Chemical resistance:	DOUBLEDRAIN is resistant to all chemicals found in building construction

## Installation Procedures

After a liquid or peel and stick waterproofing has been applied to the foundation, Platon DOUBLEDRAIN is unrolled horizontally around the foundation and fastened near the top of the membrane with Platon Cramps 8"-10" O.C. Platon Molding is applied along the top edge to prevent dirt from entering the air gap and clogging the drainage path. Vertical seams are overlapped by 20" to insure that water entering the seam flows to the footing drain before it reaches the wall. Horizontal seams are overlapped by 6".



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