



**GENERAL DESCRIPTION**

Moisture Retention Mat is composed of high-quality, recycled, non-rotting, poly-propylene fibers.

**BASIC USE**

Moisture Retention Mat is used in the Hydrotech Garden Roof® Assembly to retain moisture and nutrients for use by the vegetation layer.

**TECHNICAL DATA**

THICKNESS:	3/16 in. (≈200 mils)		
SIZE:	7.5 ft. X 100 ft. (2.3m X 30.5m) - in rolls		
	(715 sq.ft. effective coverage)		
WEIGHT:	16 oz./yd <sup>2</sup> (542 g/m <sup>2</sup> )	0.11 lb./sq.ft. (0.54 kg./sq.m.) - dry;	
		1.2 lb./sq.ft. (5.9 kg./sq.m.) - wet	
WATER RETENTION CAP.:	≈0.13 gal./sq.ft. (5.3 l./sq.m.)		
TENSILE STRENGTH:	380 lb (1.69 kN)	ELONGATION:	50%
(ASTM D4632)		(ASTM D4632)	
TRAPEZOIDAL TEAR:	145 lb/in <sup>2</sup> (0.644 kN)	PUNCTURE STRENGTH:	240 lb(1.07 kN)
(ASTM D4533)		(ASTM D4833)	

**INSTALLATION**

- Moisture Retention Mat (MRM) is to be rolled out over the root barrier or insulation/air layer.
- Adjacent sheets must be lapped a minimum of 4 inches.
- MRM should be extended a minimum of 6 inches beyond the anticipated level of the soil. Excess can be trimmed down to the soil surface once the soil has been installed.
- As MRM is installed loose-laid, temporary ballasting may be required prior to the installation of subsequent topping materials.