



# AQUAMAT JARDIN

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Order No. E401\*

\*Above order number is for 11' x 100' roll. Order number for 7' x 100' roll is E402.

## DESCRIPTION

AQUAMAT JARDIN is a capillary mat specially designed for green roof irrigation and water retention in green roof assemblies. AQUAMAT JARDIN is a lamination of four materials that perform specific functions as follows:

- The top surface root barrier prevents roof penetration and permits the passage of water into the growing medium through capillary absorption.
- The integrated irrigation system provides watering with lines spaced at two (2') feet (60 cm).
- The non-woven geotextile acts as a reservoir that retains and distributes moisture constantly and evenly throughout the entire area.
- The bottom layer is a watertight 6 mil black, UV treated polyethylene film, which forms a capillary break at every ten (10) feet (3.05 m).

## FEATURES & BENEFITS

- Provides an easy water capillary rise on a thickness of eight (8") inches of growing medium on slopes up to 3%.
- Uses less than 60% of the water required by conventional overhead irrigation.
- Supplies water to the plants constantly and equally resulting in accelerated growth and stronger roof systems. Also reduces plant water stress.
- Lightweight at only 0.15 pounds per square foot (750 g/m<sup>2</sup>).
- Very effective water retention capacity of 2.5 gal/yd<sup>2</sup> (11.6 l/m<sup>2</sup>).

## PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	TEST VALUE	
Roll Dimensions (feet)	NA	11 x 100 (3.35 x 30.5 m)	7 x 100 (2.13 x 30.5 m)
Roll Surface (ft <sup>2</sup> )	NA	1100 (102 m <sup>2</sup> )	700 (65 m <sup>2</sup> )
Roll Weight (lbs.)	NA	170 (77 kg)	108 (49 kg)
Thickness (mils)	ASTM D 5199	4 (6.3 mm)	
Capillary rise (inches)	SAGEOS GX 009-02	5 (125 mm)	
Water retention capacity (gal/yd <sup>2</sup> )	SAGEOS GX 009-02	2.5 gal (11.6 l/m <sup>2</sup> )	
Transmissivity (in/min)	SAGEOS GX 009-02	4.14 (10.5 cm/min)	
All values are nominal			