

## AQUAMAT JARDIN

**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 **anti-root barrier** prevents root penetration and allows the passage of water into the growing medium through capillary uptake.
- The integrated irrigation system provides watering with lines spaced at 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 10 feet (3.05 meters).

**Advantages:** Provides an easy water capillary rise on a thickness of 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 evenly, resulting in accelerated growth and stronger root systems. Also reduces plant water stress.

Lightweight at only 0.15 psf (750g/m<sup>2</sup>) provides for simple and easy installation.

Very effective water retention capacity of 11.6 l/m<sup>2</sup> (2.5 gal/yd<sup>2</sup>)

## Properties:

Properties	Standards	AQUAMAT JARDIN		
Roll Dimensions* (m)	-	3.35 x 30.5 (11 x 100 ft)	2.13 x 30.5 (7 x 100 ft)	1.22 x 30.5 (4 x 100 ft)
Roll Surface (m <sup>2</sup> )	-	102 (1100 ft <sup>2</sup> )	65 (700 ft <sup>2</sup> )	37 (400 ft <sup>2</sup> )
Roll Weight (kg)	-	77 (170 lb)	49 (108 lb)	28 (62 lb)
Thickness (mm)	ASTM D5199	6.3 (0.4 in)		
Capillary rise (mm)	SAGEOS GX 009-02	125 (5 in)		
Water retention capacity (l/m <sup>2</sup> )	SAGEOS GX 010-02	11.6 (2.5 gal/yd <sup>2</sup> )		
Transmissivity (cm/min)	SAGEOS GX 009-02	10.5 (4.14 in/min)		

(All values are nominal)