

GRO PROTECTION MAT

GRO Protection Mat is a $\frac{1}{8}$ " thick geotextile mat made from mechanically consolidated, needle punched, 100% recycled polyester fibers. As a layer under a GRO green roof system, it adds water retention and capillarity properties to the vegetative system, and offers protection and puncture resistance for the roof's waterproofing.



| | |
|---------------------|---|
| MATERIAL | Needle punched polyester fibers |
| DIMENSIONS | 6' x 66.7' x $\frac{1}{8}$ "; 400 ft ² /roll |
| FABRIC WEIGHT | 16 oz/yd ² (ASTM D5261) |
| ROLL WEIGHT | 45 lbs/roll |
| WATER RETENTION | 0.08 gal/ft ² (ASTM E2398) |
| SATURATION DENSITY | 0.7 lb/ft ² (ASTM E2398) |
| CAPILLARY RISE | 2.5" (typically after 24 hours/conductivity probe) |
| GRAB STRENGTH | 170 lb (ASTM D4632) |
| GRAB ELONGATION | 50% (ASTM D4632) |
| TRAPEZOIDAL TEAR | 70 lb (ASTM D4533) |
| STATIC PUNCTURE CBR | 590 lb (ASTM D6241) |
| PIN PUNCTURE | 160 lb (ASTM D4833) |