

WATERPROOFING

CCW Root-Barrier

Description

CCW Root-Barrier is a high-strength, specially formulated membrane designed for the CCW Green Roof and CCW-500R Waterproofing Systems. It does not contain plasticizers that can migrate to the surface and attack some asphalt-based materials.

Root-Barrier is a 16-mil (0.41 mm) membrane made from a layer of tightly-woven HDPE scrim with a continuous 2-mil (.05 mm) polymeric coating on both sides.

Root-Barrier is used in planter, CCW-500R System and Green Roof applications to prevent root migration into the waterproofing system.

Installation

Root-Barrier is installed directly over CCW Protection Board. Loose-lay Root-Barrier directly over the completed waterproofing assembly.

There are two options below for making the splice of the CCW-Root Barrier:

Option 1: Overlap and loose lay the material at laps a minimum of 4'.

Option 2: Splice the side and end laps together using HP-250 Primer and the 3" Carlisle SecurTAPE™ double-sided adhesive tape.

Turn Root-Barrier up vertical edges and flashings in all areas to be covered by soil to totally protect the waterproofing system.

Limitations

Do not use in areas where membrane will be subject to continuous exposure to sunlight.

Storage

Store so as to prevent damage to the roll. Protect from extreme environmental conditions. Store away from open flames or welding areas.

Packaging

12' x 90' rolls

Typical Properties

Property	Method	Results
Thickness	ASTM D5199	16 mils (0.41 mm)
Weave		Woven black HDPE scrim
Coating		2.0 mil average each side (47 g/m ² each side)
Weight		7.3 oz/yd ² (245 g/m ²) -5%
Grab Tensile	ASTM D5034	Warp: 240 lb (1068 N) Weft: 260 lb (1157 N)
Wide Tensile	ASTM D4885	Warp: 135 lb (600 N) Weft: 135 lb (600 N)
Tongue Tear	ASTM D2261	Warp: 65 lb (289 N) Weft: 65 lb (289 N)
Mullen Burst	ASTM D3786	485 psi (3347 kPa)
Permeability	ASTM D4491	<10 ⁻⁷ cm/sec (detection limit of equipment)
Puncture Strength	ASTM D4833	133 lb (454 N)
Accelerated UV Weathering	ASTM G154	>90% strength retention after 2000 hrs exposure @ 0.77 W/m ² /nm, or 1200 hrs exposure @ 1.35 W/m ² /nm
Soil Burial	ASTM D3083	100% strength retention

Limited Warranty

Carlisle Coatings & Waterproofing Incorporated (Carlisle) warrants this product to be free of defects in workmanship and materials only at the time of shipment from our factory. If any Carlisle materials prove to contain manufacturing defects that substantially affect their performance, Carlisle will, at its option, replace the materials or refund its purchase price. This limited warranty is the only warranty extended by Carlisle with respect to its materials. There are no other warranties, including the implied warranties of merchantability and fitness for a particular purpose. Carlisle specifically disclaims liability for any incidental, consequential, or other damages, including but not limited to, loss of profits or damages to a structure or its contents, arising under any theory of law whatsoever. The dollar value of Carlisle's liability and buyer's remedy under this limited warranty shall not exceed the purchase price of the Carlisle material in question.