

# WATERPROOFING

## CCW 200V/300HV Protection Fabric

### Description

CCW 200V and 300HV Protection Fabrics are extremely tough nonwoven polypropylene protection courses, specifically designed to protect CCW waterproofing membranes. CCW 200V Protection Fabric is used to cushion and protect the CCW MiraDRI 860/861 vertical applications.

CCW 300HV Protection Fabric is a thick nonwoven cushioning fabric that provides the ultimate solution for horizontal applications. CCW 300HV is engineered to be placed over CCW MiraDRI 860/861 in horizontal and vertical applications. CCW 300HV is also used as the critical moisture retention element in CCW Green Roof Systems.

### Features and Benefits

- High Puncture Resistance: 200V has five times the puncture strength of extruded foam fanfold board. 300HV has more than three times the puncture resistance of 1/8" asphaltic hard board.
- CCW Protection Fabrics are extremely flexible and provided in unique, lightweight, easy-to-install rolls.
- CCW 200V/300HV are resistant to installation and site damage caused by construction traffic and debris.
- CCW 200V/300HV are inert to biological degradation and resist naturally encountered chemicals, alkalis and acids. Both products are also UV resistant.

### Installation

#### Vertical Installation

CCW 200V Protection Fabric can be installed directly to the CCW MiraDRI 860/861 using CCW Cav-Grip contact adhesive. Place three ribbons of CCW Cav-Grip on both the surface of the waterproofing membrane and the CCW Protection Fabric. Allow the CCW Cav-Grip to dry for 5 - 10 minutes, then adhere the surfaces together. Adjacent rolls of protection fabric should be placed with a minimum 2" side and end overlap. For best results, upon completion of installation of protection fabric, proceed with placement of backfill or designated cover material.

#### Horizontal Installation

CCW 300HV Protection Fabric can be installed directly over the CCW MiraDRI 860/861. Unroll CCW 300HV Protection Fabric directly over the

waterproofing membrane with a minimum 2" side and end overlap. Under windy conditions, secure Protection Fabric with overburden or use CCW Cav-Grip contact adhesive. For best results, in a horizontal installation, proceed with placement of CCW MiraDRAIN® or designated cover.

### Limitations

CCW 200V/300HV must not be permanently exposed to sunlight. Limit exposure to no more than 30 days prior to covering.

### Packaging

200V:

40" x 200' (1 m x 61 m) 54 lbs (24 kg)

150" x 200' (3.81 m x 61 m) 140 lbs (63 kg)

300HV:

40" x 200' (1 m x 61 m) 58 lbs (26 kg)

150" x 200' (3.81 m x 61 m) 195 lbs (90 kg)

### Typical Properties

Property	Method	Unit	Typical Value	
—	—	—	200V	300HV
Puncture Resistance	ASTM D4833	lbs (kN)	130 (0.58)	235 (1.05)
Mullen Burst	ASTM D3786	psi (kPa)	400 (2,756)	750 (5,167)
Elongation	ASTM D4682	%	50	50
Thickness	ASTM D5199	mils (mm)	90 (2.3)	150 (3.8)

### 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.