



CCW 200V/300HV PROTECTION FABRICS

DESCRIPTION

CCW200V and 300HV Protection Fabrics are extremely tough nonwoven polypropylene protection courses, specifically designed by Carlisle Coatings & Waterproofing to protect CCW waterproofing membranes.

TYPICAL USES

CCW 200V Protection Fabric is a specifically designed product to cushion and protect the CCW MiraDRI 860/861, CCW-525 and CCW Butyl waterproofing membranes in 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, CCW-525 and CCW Butyl Membrane waterproofing membranes in horizontal and vertical applications.

FEATURES / 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.
- **Easy Installation:** CCW Protection Fabrics are provided in unique, lightweight, easy-to-install rolls. CCW 200V/300HV products are extremely flexible, aiding the installation process.
- **Durable:** CCW Protection Fabrics are resistant to installation and site damage caused by construction traffic and debris.
- **Resistant:** CCW 200V/300HV are inert to biological degradation and resist naturally encountered chemicals, alkalis and acids. Both products are also UV resistant.

INSTALLATION

VERTICAL APPLICATIONS

CCW 200V Protection Fabric can be installed directly to the CCW MiraDRI 860/861, CCW-525 and CCW Butyl waterproofing membranes, using CCW DRAIN GRIP construction adhesive. Place three ribbons of CCW DRAIN GRIP on both the surface of the waterproofing membrane and the CCW Protection Fabric. Allow the CCW DRAIN GRIP to dry for five to ten minutes, then adhere the surfaces together. Adjacent rolls of Protection Fabric should be placed with a minimum two-inch side and end overlap. For best results, upon completion of installation of Protection Fabric, proceed with placement of backfill or designated cover material.

HORIZONTAL APPLICATIONS

CCW 300HV Protection Fabric can be installed directly over the CCW MiraDRI 860/861, CCW-525 and CCW Butyl membranes. Unroll CCW 300HV Protection Fabric directly over the waterproofing membrane with a minimum two-inch side and end overlap. Under windy conditions, secure Protection Fabric with overburden or use CCW DRAIN GRIP construction adhesive. For best results, in a horizontal installation, proceed with placement of CCW MiraDRAIN or designated cover.

PACKAGING

200V:

40" x 200' (102cm x 61m) 54 lbs (24 kg);
12.5' x 200' (3.81m x 61m) 140 lbs (63 kg)

300HV:

40" x 200' (102cm x 61m) 58 lbs (26 kg);
12.5' x 200' (3.81m x 61m) 195 lbs (90 kg)

TECHNICAL DATA

Property	Test Method	Unit	Typical Value	
			200V	300HV
Puncture Resistance	ASTM D 4833	lbs (kN)	130 (0.58)	235 (1.05)
Mullen Burst	ASTM D 3786	psi (kPa)	400 (2,756)	750 (5,167)
Elongation	ASTM D 4682	%	50	50
Thickness	ASTM D 5199	mils (mm)	90 (2.3)	150 (3.8)

LIMITATIONS

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

MAINTENANCE

CCW 200V/300HV requires no maintenance if installed in accordance with the manufacturer's instructions.

TECHNICAL SERVICES

Complete technical assistance is available from Carlisle Coatings & Waterproofing and its sales representatives. Service includes assistance during the design, specification, and installation stages.

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.

Puncture Resistance Comparison Test

Puncture Resistance (ASTM D 4833)

