



CCW QuickDRAIN™

DRAINAGE COMPOSITE COLLECTION SYSTEM

DESCRIPTION

CCW QuickDRAIN consists of a graduated high-profile dimple core with a superior high-strength nonwoven geotextile filter fabric. The high-profile, three-dimensional core functions as an edge drain/pipe collector to transport the groundwater; the fabric acts as a filtering medium to allow inward passage of water while retaining soil particles without clogging.

A lightweight, factory-assembled unit, CCW QuickDRAIN can be quickly installed against walls and footings.

TYPICAL USES

CCW QuickDRAIN replaces costly conventional perforated pipe/aggregate collection systems for drainage of foundation and retaining walls.

FEATURES AND BENEFITS

- CCW QuickDRAIN is 16" wide with the following dimple configuration: three rows of graduated dimples and eight rows of 1" high dimples. A pre-molded hinge allows CCW QuickDRAIN to be installed from a vertical foundation wall turning onto the horizontal footing.
- With its patented hinged design, CCW QuickDRAIN can be installed in an "L" configuration that is 50% more efficient than competitive products.
- CCW QuickDRAIN, in conjunction with CCW MiraDRAIN, is approved for use with waterproofing systems by most major waterproofing manufacturers.



CCW QuickDRAIN being fitted for a corner

INSTALLATION GUIDELINES

CCW QuickDRAIN can be easily installed using the following procedures:

Foundation/Retaining Wall Installation: For optimum performance install CCW QuickDRAIN in a vertical foundation wall to a horizontal footing configuration. Adhere CCW QuickDRAIN to the substrate using CCW DRAIN GRIP™ contact adhesive or CCW SecurTape. Place the hinged portion of the CCW QuickDRAIN against the vertical/horizontal transition and press into place. Connect adjacent panels by pulling filter fabric back to expose the flange. Overlap the flange of edge drain core on to the flange of the preceding drain core. Cover the joint with the filter fabric. Install CCW MiraDRAIN prefabricated sheet drain in shingle fashion by overlapping the flange of the CCW QuickDRAIN in the direction of water flow and cover with filter fabric. Cover all terminal edges of the core with the fabric flap by tucking it behind the core.

Discharge Connection Installation: Leaving the filter fabric in place, slide the CCW QuickDRAIN Connector outlet over the horizontal portion of the CCW QuickDRAIN, secure with CCW DRAIN GRIP or SecurTape and wrap with filter fabric.



CCW QuickDRAIN has a hinged design for installation on 90° angles

TECHNICAL DATA

Property	Test Method	Unit	Typical Value
Core			
Thickness	ASTM D 1777	in (mm)	0.63-1.0 (16.0-25.4)
Compressive Strength	ASTM D 1621	psf (kN/m ²)	9,500 (455)
Maximum Flow Rate	ASTM D 4716	gpm/ft ² (l/min/m ²)	118 (928)
Fabric (160N)			
Apparent Opening Size	ASTM D 4751	US Std Sieve (mm)	70 (.21)
Water Flow Rate	ASTM D 4491	gpm/ft ² (l/min/m ²)	110 (4,477)
Grab Tensile Strength	ASTM D 4632	lbs (kN)	160 (0.71)
Grab Elongation	ASTM D 4632	%	50
Puncture Resistance	ASTM D 4833	lbs (kN)	95 (0.42)
System			
Performance Index	*		17,100

All flow rates were tested at 3600 psf.

¹In plane flow rate @ gradient of 1.0

* Drainage Performance Index is a function of ASTM D 4833, D 4632 and D 1621

Backfilling: Soil should be placed and compacted directly adjacent to CCW QuickDRAIN using plate vibratory compactors. The exhaust of the plate compactor should be turned away from the drain system to prevent damage due to hot exhaust gases.

PACKAGING

CCW QuickDRAIN is available in rolls of:
16" X 50' (0.41m X 15.24m)

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 effect 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.