

CCW MiraDRAIN 9000 CERTIFICATION

This is to certify that Carlisle Coatings & Waterproofing CCW MiraDRAIN 9000 is a high-performance, high-strength drainage composite consisting of a three-dimensional, high-impact polystyrene core, and a woven filter fabric. The filter fabric is bonded to the individual dimples of the molded polystyrene core. The woven fabric is better suited to receive a directly poured concrete topping than non-woven geotextile fabrics. CCW MiraDRAIN 9000 is Made in the USA.

CCW MiraDRAIN 9000 meets the following ASTM typical property values and specification requirements:

MiraDRAIN 9000	Test Method	Unit	Typical Value
Thickness	ASTM D 1777	in (mm)	0.40 (10.16)
Compressive Strength	ASTM D 1621	psf (kPa)	18,000 (862)
Maximum Flow Rate	ASTM D 4716	gpm/ft ² (l/min/m)	226 (18)
Installed Horizontally	ASTM D 4716	gpm/ft ² (l/min/m)	3.8 (48)
Fabric (FW 402)	Test Method	Unit	
Apparent Opening Size	ASTM D 4751	U.S. Std Sieve (mm)	40 (0.43)
Water Flow Rate	ASTM D 4491	gal/min/ft ² (l/min/m ²)	145 (5,907)
Grab Tensile Strength	ASTM D 4632	lbs (kN)	365 (1,624)
Grab Tensile Elongation	ASTM D 4632	%	24
CBR Puncture Strength	ASTM D 6241	lbs (kN)	675 (3,004)

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