



CCW MiraDRAIN GR9400 CERTIFICATION

This is to certify that Carlisle Coatings & Waterproofing CCW MiraDRAIN GR 9400 is a high-capacity retention/drainage composite consisting of a three-dimensional, high-impact polystyrene core with holes allowing water retention and drainage. The moisture retention mat fabric is bonded to the individual dimples of the molded polystyrene core. The moisture retention mat also serves as a filter medium to prevent the passage of particles into the water reservoirs while allowing excess water to pass freely into the drainage system. CCW MiraDRAIN GR 9400 is Made in the USA.

CCW MiraDRAIN GR 9400 meets the following ASTM typical property values and specification requirements:

MiraDRAIN 9900	Test Method	Unit	Typical Value
Thickness	ASTM D 1777	in (mm)	1" (25.4)
Compressive Strength	ASTM D 1621	psf (kPa)	9,500 (455)
Maximum Flow Rate	ASTM D 4716	gpm/ft ² (l/min/m)	82 (1,300)
Installed Horizontally	ASTM D 4716	gpm/ft ² (l/min/m)	21 (260)
Water Holding Capacity	-	lbs/ft ² (l/m ²)	1.63 (7.97)
Fabric	Test Method	Unit	
Apparent Opening Size	ASTM D 4751	U.S. Std Sieve (mm)	100 (0.149)
Flow Rate	ASTM D 4491	gpm/ft ² (l/min/m ²)	75 (3,055)
Grab Tensile Strength	ASTM D 4632	lbs (kN)	300 (1.33)
Grab Elongation	ASTM D 4632	%	50
Puncture Strength	ASTM D 4833	lbs (kN)	175 (0.78)

Rev. October 1, 2013