

PHYSICAL CHARACTERISTICS OF COMPACTED ROOTZONE MATERIALS TESTED TO USGA PROCEDURE*

CLIENT: ROFFEY BROTHERS	RESULTS TO: MAB
	SAMPLE NO: A12486/2
ADDRESS: THROOP ROAD, THROOP, BOURNEMOUTH BH8 0DF	DATE RECEIVED: 18/02/14
	DATE REPORTED: 26/02/14
DESCRIPTION: ROFFEY 90:10 0-2mm SAND/PEAT BNM IRISH FINE	TEST RESULTS AUTHORIZED BY:
CONDITION UPON ARRIVAL: MOIST	Michael Baines, Laboratory Manager

		USGA Guidelines	UK Golf Guidelines
	Saturated Hydraulic Conductivity (mm/hr) 683	Minimum 150 mm/hr	≥150 mm/hr
At 30 cm Tension	Total Porosity (%) 42.1	35-55 %	≥35%
	Air-filled Porosity (%) 20.8	15-30 %	≥14%
	Capillary Porosity (%) 21.3	15-25 %	≥17%
	Bulk Density (g/cc) 1.52		
	Particle Density (g/cc) 2.63		
	Organic Matter Content (%)** 0.4		0.5-3.5%
At 40 cm Tension	Air-filled Porosity (%) NOT TESTED	Not Applicable to USGA or UK Golf Guidelines	
	Capillary Porosity (%) NOT TESTED		

THESE RESULTS PERTAIN ONLY TO THE SAMPLE(S) SUBMITTED AND TESTED

* ASTM F1815-06 Standard Test Methods for Saturated Hydraulic Conductivity, Water Retention, Porosity and Bulk Density for Putting Green and Sports Turf Rootzones. Note: Diameter of the cylinders used is 72 mm rather than the 51 or 76 specified in ASTM F1815-06

** ASTM F1647-02a Standard Test Methods for Organic Matter Content of Putting Green and Sports Turf Rootzone Mixes (Method A)

