

## LIQUID BOOT® UltraDrain 9000

### Product Description

LIQUID BOOT® UltraDrain 9000 consists of a moderate duty impermeable polymeric sheet cusped under heat & pressure to form a high flow dimpled drainage core. The core is then bonded to a layer of non-woven filter fabric. The filter fabric retains soil or sand particles as well as freshly placed concrete or grout, allowing filtered water to pass into the drainage core. LIQUID BOOT® UltraDrain 9000 also has a protection sheet bonded to the backside of the cusped core providing protection for soft membrane waterproofing systems. LIQUID BOOT® UltraDrain 9000 meets the following specifications:

CORE PROPERTIES	TEST METHOD	RESULT (ENGLISH)	RESULT (METRIC)
<b>Comprehensive Strength</b>	ASTM D 1621	18,000 psf	862 kNm <sup>2</sup>
<b>Thickness</b>	ASTM D 1777	.40 in.	1.016 cm.
<b>Flow Rate</b> (Hydraulic gradient =1)	ASTM D 4716	21 gpm/ft/width	264 lpm/m/width
<b>Roll Weight</b>		50 lbs.	22 kgs
<b>Roll Width</b>		4 ft.	1.22 m.
<b>Roll Length</b>		50ft.	15.24 m.

FABRIC PROPERTIES	TEST METHOD	RESULT (ENGLISH)	RESULT (METRIC)
<b>Flow Rate</b>	ASTM D 4491	100 gpm/ft <sup>2</sup>	4047 lpm/m <sup>2</sup>
<b>Puncture Resistance</b>	ASTM D 4833	105 lbs.	.47 kN
<b>A.O.S. (E.O.S.)</b>	ASTM D 4751	40 US Sieve	.42 mm
<b>Grab Tensile Strength</b>	ASTM D 4632	365 lbs.	1.62 kN