

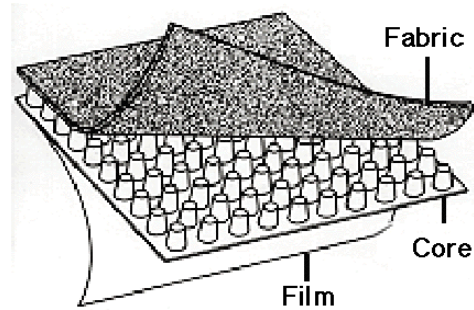
# AMERDRAIN® 520

## Soil sheet drain and protection board

**AMERDRAIN 520** sheet drain is designed primarily for use with soft waterproofing materials in vertical installations requiring high compressive strength and flow capacity. Use is suitable in selected horizontal applications.

**AMERDRAIN 520** drain is a three-part prefabricated soil sheet drain and protection board consisting of a formed polystyrene core covered on one side with a non-woven, needle-punched polypropylene filter fabric and the other with a solid polymeric film. The fabric allows water to pass into the drain core while restricting the movement of soil particles which might clog the core. The core allows water flow to designed exits. The polymeric provides extra protection for, and compatibility with, softer waterproofing materials.

**Full-coverage protection** is provided to waterproofing materials.



Typical properties	American	SI	Test Method
<b>Fabric properties</b>			
Material	Polypropylene	Polypropylene	
Grab tensile strength	110 lbs	485 N	ASTM D4632
Puncture strength	65 lbs	285 N	ASTM D4833
Trapezoidal tear	50 lbs	220 N	ASTM D4533
Mullen burst strength	215 psi	1430 kPa	ASTM D3786
Elongation at break	60%	60%	ASTM D4632
AOS	100 sieve	150 micron	ASTM D4751
Permittivity	1.6 sec <sup>-1</sup>	1.6 sec <sup>-1</sup>	ASTM D4491
Permeability	0.3 cm/sec	0.3 cm/sec	ASTM D4491
Flow rate	150 gpm/ft <sup>2</sup>	6110 lpm/m <sup>2</sup>	ASTM D4491
<b>Core properties</b>			
Material	Polystyrene	Polystyrene	
Compressive strength	15,000 lbs/ft <sup>2</sup>	732 kN/m <sup>2</sup>	ASTM D1621 (Mod.)
Thickness	7/16 inch	11 mm	
<b>Product properties</b>			
Flow capacity per unit width	16 gpm/ft	200 lp/m	ASTM D4716
Roll length	104 ft	31.7 m	

Roll width	4 ft	1.22 m
Roll weight	83 lbs	38 kg

All information, drawings and specifications are based on the latest product information available at this time. Constant improvement and engineering progress make it necessary that we reserve the right to make changes without notice. All physical properties are typical values. Standard variations in mechanical properties of 10% and in hydraulic properties of 20% are normal.



## **AMERICAN WICK DRAIN CORPORATION**

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