



FREDrain® ULTRA Strip Filter



APPLICATIONS

- Road Edge Drainage
- Subsoil Drainage
- Shotcrete Walls
- Concrete Piles
- Slope Drainage
- Basement Walls

FREDrain® ULTRA Road Edge strip filter is a composite cusped drain consisting of a three dimensional, high-flow drainage core which is wrapped with a non-woven filtration geotextile. It is designed to replace a conventional sand or gravel covered pipe trench drain by providing a far greater surface area for water to infiltrate/pass, resulting in faster, more efficient drainage.

Available in 300mm widths, by 25mm thick and come in 50m Rolls. A full range of fittings are available with the system for fast and easy installation.

PRICE PER UNIT		All prices +GST		
CODE	20 +	10 - 19	1 - 9	
SD300-ULTRA	\$259	\$299	\$350	

FREDrain Ultra® Specifications				
General Properties	Test Method	Unit	Value	
Core Thickness	ASTM D1777	mm	>25	
FREDrain® Depths	Manufacturer QA	mm	300, 450	
FREDrain® Roll length	Manufacturer QA	m	50	
Percentage Open Area of FREDrain®	Manufacturer QA	%	10	
Geocomposite Performance Properties	Test Method	Unit	Value	
Flow Capacity @ 200kPa confining pressure and 0.5 hydraulic gradient	ASTM D4716	l/min/m	>300	
Horizontal Compressive Strength @ 20% deflection	ASTM D2412 & ASTM D1621	kPa	>200	
Change in Core Area at nominated load of 157 kPa	ASTM D6244	% loss of cross sectional area	<5	
Geotextile Properties	Test Method	Unit	MRTS 27 and RMS R63 Requirements	FREDrain Geotextile Property (Characteristic Q Value)
Elongation	AS3706.4	%	>30	>30
Grab Tensile	AS3706.2	N	>700	>700
Trapezoidal Tear	AS3706.3	N	>250	>250
G Rating	Austrroads	-	>1350	>1350
Filtration Properties	Test Method	Unit		
Flow Rate	AS3706.9	l/m²/sec	≥ 50	≥ 50
Permittivity	AS3706.9	s⁻¹	≥ 0.5	≥ 0.5
EOS _{0.95}	AS3706.7	microns	≤120	≤120