



FREDrain® Strip Filter



FREDrain® Strip Filter is a composite drain and collection system 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 drains by providing a far greater surface area for water to pass, resulting in faster more efficient drainage. Available in 100mm, 200mm and 300mm widths, either 25 or 40mm thick and come in 50m Rolls. A full range of fittings are available with the system for fast and easy installation.

The most important characteristic of any subsurface drainage system is its ability to collect water from the surrounding soil. Pipe and stone systems have major limitations when compared to FREDrain® Strip Filter. The open area in FREDrain® (60%) far exceed that of a perforated pipe (1.1%) and rigid strip filters (2.5%).

- Lower installed cost - Combined installation and material cost is usually less than half of that for aggregate drains.
- Easy to handle and install - Lightweight
- Reduces drainage system space requirements
- Strong and durable - Crush strength of core resists damage during installation.
- High flow capacity - Structure of core provides multiple channels for vertical and horizontal water flow. Geotextile filter fabric permits high volume of water into core while restraining soil.

FREDrain® Specifications

HDPE Core Properties	Unit	25	40
Compressive Strength (ASTM-1621)	kPa	>200	>200
Minimum Stiffness (RMS 3556)	mm	>11.0 for width 200 - 400mm	
Thickness (ASTM-1777)@ 4mm deflection	mm	25.0	40.0
Flow (ASTD-4716) i=1.0	l/min/m	110	130
Material	-	HDPE	
Core Profile	-	Raised Cups both sides	
Roll Length	m	50	50
Roll Width	m	100, 200, 300	
Roll Weight	kg	18, 35, 54	26, 52, 78
Geotextile B1 Properties			
Flow (AS3706.9)	l/m ² /s	>150	>150
EOS (AS3706.4)	mm	< 0.12	< 0.12
G Rating	-	>1350	>1350
Tear	N	>250	>250
Grab (AS3706.2)	N	>500	>500

APPLICATIONS

- Subsoil Drainage
- Shotcrete Walls
- Concrete Piles
- Slope Drainage
- Sports Field Drainage
- Basement Walls

CODE	PRICE PER UNIT			
	50 +	20 - 49	10 - 19	1 - 9
30-SD100	\$159.00	\$171.00	\$184.00	\$186.00
30-SD200	\$198.00	\$205.00	\$219.00	\$235.00
30-SD300	\$325.00	\$347.00	\$372.00	\$398.00
SD25100	\$98.00	\$106.00	\$125.00	\$140.00
SD25200	\$175.00	\$186.00	\$198.00	\$220.00
SD25300	\$333.00	\$365.00	\$389.00	\$420.00

All prices +GST

End outlets, Universal tee outlets and Side outlets are available



SIDE OUTLET



RIGHT ANGLE OUTLET



END OUTLET



COUPLER

CODE	PRICE PER UNIT			
	633 +	294 - 632	55 - 293	1 - 54
SD200-CP	\$7.90	\$8.50	\$9.20	\$9.80
SD200-EC	\$7.90	\$8.50	\$9.20	\$9.80
SD200-EO	\$7.90	\$8.50	\$9.20	\$9.80
SD200-SO	\$7.90	\$8.50	\$9.20	\$9.80
SD300-CP	\$7.90	\$8.50	\$9.20	\$9.80
SD300-EC	\$7.90	\$8.50	\$9.20	\$9.80
SD300-EO	\$7.90	\$8.50	\$9.20	\$9.80
SD300-SO	\$7.90	\$8.50	\$9.20	\$9.80

All prices +GST

CODE	400 +	181 - 399	35 - 180	1 - 34
SD200-RAO	\$12.50	\$13.80	\$14.20	\$15.90
SD300-RAO	\$12.50	\$13.80	\$14.20	\$15.90