

TECHNICAL DATASHEET

ULTRA DRAIN GUARD

PRODUCT DESCRIPTION

Ultra Drain Guards are designed to remove oil and sediment pollution from surface water running into gully drains from surrounding construction sites, farms, industrial estates, or other areas prone to storm water pollution or cleaning operations.

Ultra Drain Guards are made from a high permeability non-woven polypropylene geotextile that trap solids and oils but allow water to drain through and also incorporate bypass ports to further maintain flow into the drain.

They are designed to be easily placed directly into the drain gully pot to filter out materials as they flow into the drain without compromising drainage, and the Oil and Sediment model absorbs up to 3.29 litres of hydrocarbons as well as up to 18 kg of sediment, sand or debris.



MODEL	CODE	OIL CAPTURE	SEDIMENT CAPTURE	COLLECTION AREA	FLOW RATE	SIZE
OIL & SEDIMENT	9217	3.29 l (.87 gal)	18kg (40lbs)	25.4 x 45.7 cm (10" x 18")	1893 l/min (500 gpm)	121.9 x 91.4 x 45.7 cm (48" x 36" x 18")

PROPERTIES	ASTM TEST	VALUE
MATERIAL		NON-WOVEN POLYPROPYLENE GEOTEXTILE
GRAB TENSILE STRENGTH	D 4632	979 N (220 lb)
ELONGATION	D 4632	50%
TRAPEZOID TEAR	D 4833	423 N (95 lbs)
PUNCTURE RESISTANCE	D 4633	600 N (135 lbs)
MULLEN BURST	D 3786	2,896 kpa (420 psi)
PERMITTIVITY	D 4491	1.4 SEC ⁻¹
PORE SIZE O ₉₀	D 4751	180 micron (80 US Sieve no)
UV STABILITY	D 4355	70% strength retained after 500hr
WEIGHT	D 5261	272 g/m ² (8 oz/yd ²)
FLOW RATE - FABRIC	D 4491	3,660 l/min/m ² (90 gal/min/ft ²)
FLOW RATE - BYPASS PORTS	D 4491	2,914 l/min

INSTALLATION:

1. Remove catch basin grating
2. Clean dirt and debris from grating ledge
3. Insert Drain Guard.
4. Reinstall grate. To insure maximum effectiveness, Drain Guard skirt should be secured (pinched) between grating and ledge.
5. Cut the excess fabric off with a blade or knife if desired.

MAINTENANCE AND DISPOSAL:

6. The Ultra-Drain Guard filters are designed to be used for 3 to 6 months under normal conditions.
7. Where heavy contamination is present the unit will have a reduced life expectancy. When the unit has collected about 6 inches of sediment it is recommended that it be replaced. The unit should also be replaced if free oil can be seen floating and is not being absorbed. The Ultra-Drain Guards should be inspected on a regular basis.
8. Dispose of unit in accordance with applicable environmental laws and regulations. The user is solely responsible for compliance with maintenance and disposal laws and regulations. The manufacturer or seller assumes no responsibility for proper or improper maintenance or disposal.

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2. TCS Geotechnics Ltd reserves the right to alter product specifications without prior notice.
3. It is the responsibility of all users to satisfy themselves that the above data is current.
4. TCS Ltd cannot accept responsibility for the performance of these products as the conditions of use are beyond our control.
5. Installation details are available on request.

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