

BIOBRANE DRAIN GUARD

PRODUCT DESCRIPTION

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

Biobrane™ Drain Guards are made from a unique high permeability non-woven, biodegradable, filter fabric that trap solids and absorbs hydrocarbons - but allow water to drain through. The Drain Guards also incorporate bypass ports to further maintain flow into the drain during storm events. Biobrane™ Drain Guards are uniquely made from a special plant based biopolymer, providing an environmentally responsible solution. They also incorporate sustainable materials that are fully compostable and biodegradable at end of use. 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. They can trap up to 11kg of sediment, sand or debris as well as absorbing up to 2 litres of hydrocarbons.



FEATURE	BIOBRANE™ DRAIN GUARD
APPLICATION	SEDIMENT FILTER
EFFECTIVE PORE SIZE	92 MICRON
SEDIMENT CAPACITY	APPROX 11kg
HYDROCARBON CAPACITY	UP TO 2 LITRES
PERMEABILITY	46 LITRES/m ² /SEC
TENSILE STRENGTH	6.5 kN/m
MATERIAL	PLA BIOPOLYMER NON-WOVEN, NEEDLEPUNCHED FABRIC. UV STABILISED
SIZE	SKIRT 90x80cm TRAP 30x30cmx25cm DEEP
WEIGHT	280g EACH
ADDITIONAL FEATURES	FULLY COMPOSTABLE AND BIODEGRADABLE. MADE FROM SUSTAINABLE PLANT BASED RESOURCES

FEATURES/BENEFITS

1. Captures oil and sediment before it enters the drain
2. Holds up to 11kg of sediment
3. Absorbs up to 2 litres of hydrocarbons
4. Easy installation and maintenance
5. Universal fit
6. Compact flat pack design minimises site storage space
7. Designed to be used for up to 3 to 6 months under normal conditions.

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 Drain Guard filters are designed to be used for 3 to 6 months under normal conditions.
7. When the unit has collected about 150mm (6 inches) of sediment it is recommended that it removed, emptied and reinstalled.
8. Biobrane™ Drain Guards should be inspected on a regular basis.
9. Where there is heavy contamination, or fine clay particles, present, the unit may have a reduced life expectancy.
10. If water does not freely drain through fabric the unit should be replaced.
11. The unit should also be replaced if free oil can be seen floating and is not being absorbed.

REGISTERED OFFICE ADDRESS

Units 2 & 5 Tetbury Close
Martland Industrial Park
Wigan
Greater Manchester
WN5 0LA

1. TCS Geotechnics is a trading name of Technical Civils Solutions Ltd
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. The above figures are typical values obtained from testing to current EN ISO standards
5. TCS Ltd cannot accept responsibility for the performance of these products as the conditions of use are beyond our control.
6. Installation details are available on request.

