



SECONDARY OIL CONTAINMENT

OILBLOCKER™ PERIMETER BARRIER

AN ECONOMICAL CONTAINMENT ALTERNATIVE

OilBlocker™ Perimeter Barrier keeps oil spills within a confined area or around mineral oil-filled equipment, providing an affordable vertical barrier for substations with poor permeability sub-grade soils like clay.

KEY BENEFITS



ZERO MAINTENANCE REQUIRED

Install it and forget it.



RAPID INSTALLATION

No special equipment is required. Typical installation completed in one day.



SIGNIFICANT COST SAVINGS

Affordable alternative to a full containment system.



CUSTOM-CUT LENGTHS

Rolls are 105 feet (32 m) long by 15 feet (4.5 m) wide, custom cut width to your requirements.

HOW IT WORKS

Installed vertically, **OilBlocker™ Perimeter Barrier** is a smart fabric used to minimize damage caused by mineral oil spills, controlling the spill by keeping it within a defined containment area. The smart fabric contains a unique proprietary blend of dense oil-immobilizing polymers called **Alabsorb**

between two needlepunched nonwoven geotextile fabric layers. In its passive state, **OilBlocker™** allows water to pass through. Once it comes in contact with mineral oil, the fabric turns into an impermeable barrier, preventing the oil from escaping beyond the **OilBlocker™ Perimeter Barrier**.

FEATURES

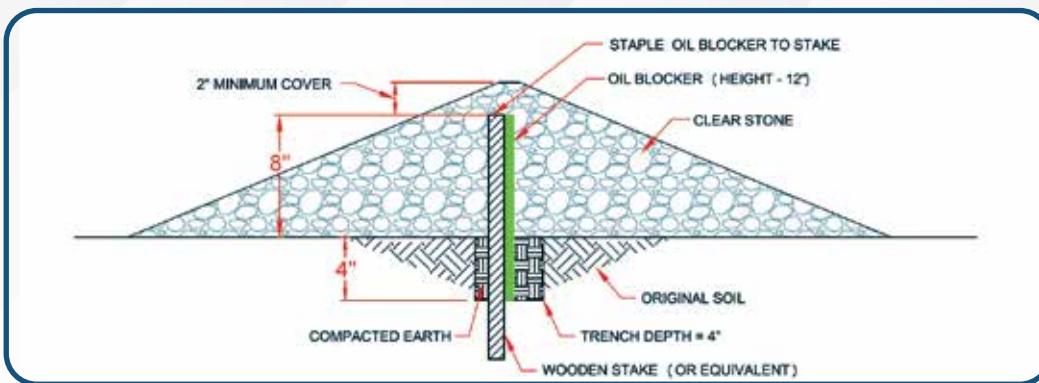
- Smart Fabric Technology
- Needle punched nonwoven geotextiles with oil-immobilizing polymers
- Vertical installation
- Addresses poor permeability in sub-grade soils like clay

OPTIONS

- Slitting

APPLICATIONS

- Substation Perimeters
- Small Oil-Filled Transformers




OILBLOCKER™
 PERIMETER BARRIER

CONSTRUCTION

- Top layer:** Black Non-Woven Geotextile F8146
- Absorbent Layer:** Albasorb 8502M
- Scrim Support:** Woven Polypropylene
- Bottom Layer:** Black Non-Woven Geotextile 215B

SPECIFICATIONS

PROPERTY	VALUES	TEST METHOD
Total Mass per Unit Area (Nom.)	96.3 oz/yd ² 3265 g/m ²	ASTM D5993
Total Mass per Unit Area (Min.)	88.1 oz/yd ² 2988 g/m ²	ASTM D5993
Polymer Loading (Nom.)	82.6 oz/yd ² 2800 g/m ²	Manufacturer Technical Data
Polymer Loading (Min.)	73.7 oz/yd ² 2500g/m ²	Manufacturer Technical Data
Peel Strength (Min.)	0.7 lb/in 125 g/cm	ASTM D6496
Peel Strength (Min.)	4.9 lbf 2.2 kgf	ASTM D4632
Grab Tensile	80 lbf 36.3 kgf	ASTM D6768
Elongation at Peak	30%	ASTM D4632
Puncture Resistance	194 lbf 88 kgf	ASTM D4833
CBR Puncture Strength	819.0 ± 90.4 lbf 371.5 ± 41.0 kgf	ASTM D6241
Compressive Strength	20.5 ± 1.74 psi 141.3 ± 12 kPa	ASTM D6364
Trapezoidal Tearing Strength – Machine direction	113.0 ± 9.0 lbf 51.3 ± 4.1 kgf	ASTM D4533
Trapezoidal Tearing Strength – Cross Machine direction	185.0 ± 29.8 lbf 83.9 ± 13.5 kgf	ASTM D4533
Hydraulic Conductivity (@ 5 psi, 20°C)	5.0x10 ⁻⁵ cm/s	ASTM D5084
UV Resistant*	70% @ 500 hours	ASTM D4355

* applies to non-woven components only.

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INFO:

85 Morrow Rd., Barrie, ON L4N 3V7
 Toll Free: 1.866.269.8275
 T: 705.737.0551 | F: 705.737.4044

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