



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

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

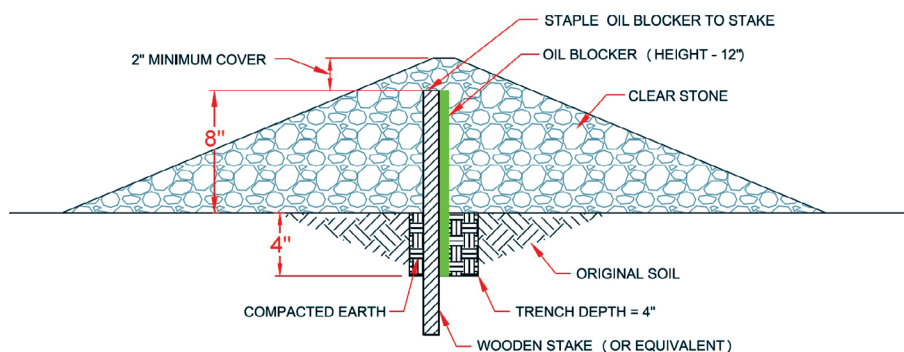
- Smart Fabric Technology
- Needlepunched nonwoven geotextiles with oil-immobilizing polymers
- Vertical installation
- Addresses poor permeability in sub-grade soils like clay

OPTIONS

- Slitting

APPLICATIONS

- Substation Perimeters
- Small Oil-Filled Transformers



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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