



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

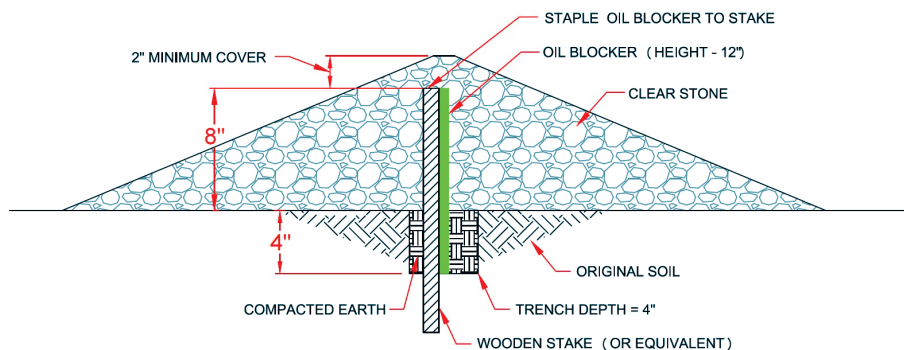
- Smart Fabric Technology
- Needlepunched nonwoven geotextiles with oil-immobilizing polymers
- Vertical installation
- Addresses poor permeability in sub-grade soils like clay

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

\* applies to non-woven components only.

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