



## OILBLOCKER™ PLUS

### 24/7 SPILL PROTECTION FOR SMALL TRANSFORMERS

**Oil Blocker™ Plus** uses Albarrie's smart fabric technology. The innovative smart fabric and containment design **proactively protects against oil spills and leaks** around mineral oil-filled transformers.

#### KEY BENEFITS



##### VIRTUALLY MAINTENANCE FREE

No pumps required. Albarrie's smart fabric traps oil, not water.



##### ENVIRONMENTALLY COMPLIANT

Meets EPA Secondary Containment requirements for SPCC 40 CFR 112.7 and IEEE Std. 980.



##### BUDGET-FRIENDLY

Reduce installation and maintenance costs compared to other transformer oil containment systems.



##### FLEXIBLE DESIGN

Designed and installed in greenfield or brownfield applications for all soil types within any geometric configuration.

#### HOW IT WORKS

**Albarrie's Transformer Secondary Oil Containment Systems** use patented mineral oil-reactive self-sealing **smart fabric technology** known as **Oilmat**. The smart fabric contains a unique proprietary blend of dense oil-immobilizing polymers, called **Alabsorb**, between two needlepunch nonwoven fabric layers that seal on contact with oil, not water. In a passive state, **Oil Blocker™ Plus** allows water to pass

freely through the **Oilmat** walls without collection in the containment area. An impermeable liner is installed on the containment floor. If a catastrophic event occurs and oil comes in contact with the **Oilmat** (walls), it undergoes a chemical change. The change turns the fabric into an impermeable membrane, keeping all fluids within the containment area.

#### OPTIONS

- Above Ground Design
- Grouped Equipment Containment Design
- Grouped Equipment Containment Design

#### APPLICATIONS

- Small Oil-Filled Transformers
- Multiple Above-Ground Transformers
- Environmentally-Sensitive Areas
- Solar and Wind Farms

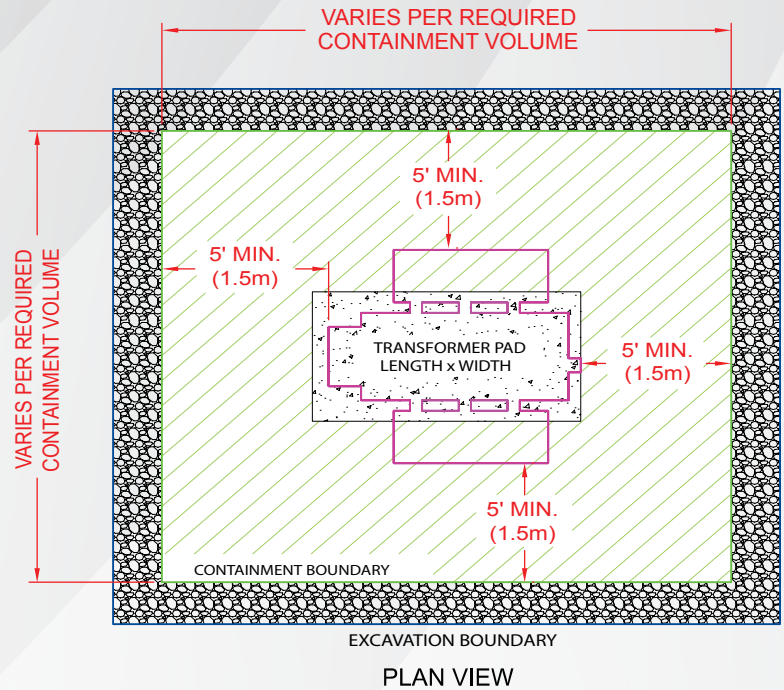
#### FEATURES

- **No more** standing water
- **No more** mechanical moving parts
- **No more** pumping and testing
- **No more** concrete cracks to repair
- Reduced installation costs
- Optimized remediation costs
- Fire-quenching capabilities
- Extended service life
- Significantly decreased risk associated with fire and contamination
- Quick Installation

## SPECIFICATIONS

### TYPE

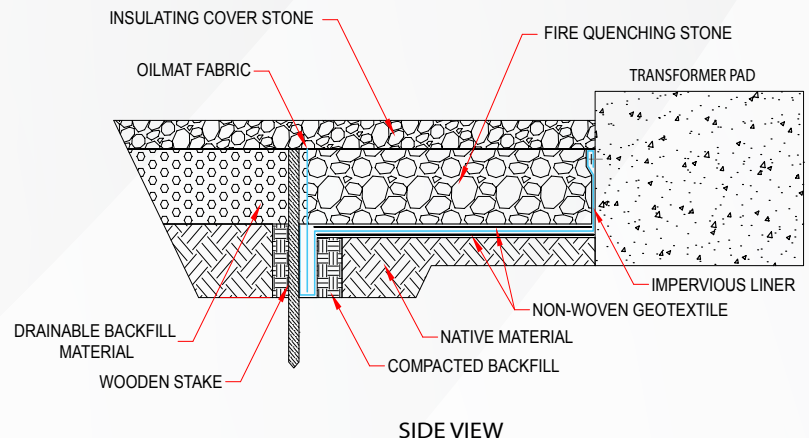
<b>Fire quench stone gradation requirements</b>	1 ½" to 3" (38 to 75mm) ASHTO #1,2,3,24 ASTM D448-03 Well graded crushed stone with 100% passing the 3" (75mm) sieve and 0% passing the 1 ½" (38mm) sieve. <b>Note:</b> The fire quench stone must meet resistivity and porosity requirements.
<b>Fire quench stone resistivity</b>	≥3000 Ω-m
<b>Fire quench stone porosity (min.)</b>	40%
<b>Fire quench stone type</b>	Basalt, granite limestone or a compatible stone type. Should <b>not</b> accept soft stones such as sandstone.
<b>Minimum containment depth</b>	12" (304.8mm) from the containment floor to the top of the fire quenching stone layer.
<b>Maximum containment depth</b>	24" (609.6mm) from the containment floor to the fire-quenching stone layer.
<b>Separation distance from transformer to containment perimeter</b>	<b>For all projects unless specified otherwise by the client:</b> 5 ft (1.5m) or ½ the transformer height whichever is greater.
<b>Containment system oil storage volume requirements (%)</b>	As per client requirements. If no requirements recommend 110% of the volume of the largest oil containing unit plus a 25 year, 24 hour storm. Ensure that each storm volume will drain through system within 4 hours as per US EPA.



#### LEGEND

CONTAINMENT AREA CONCRETE STONE TRANSFORMER OUTLINE

This is not an official engineering drawing and should not be used to scope or bid on projects.



#### LEGEND

EARTH CONCRETE STONE DRAINABLE BACKFILL

This is not an official engineering drawing and should not be used to scope or bid on projects.

*Disclaimer: Information provided by Albarrie on this sales sheet ("Sheet") is for general information purposes only. All information on the Sheet is provided in good faith, however Albarrie makes no representation or warranty of any kind, express or implied, regarding the accuracy, adequacy, validity, reliability, availability or completeness of any information on the Sheet. Products may not work as advertised or perform differently based on application, operating conditions, and depend on chemical, thermal, and humidity and other factors.*

