

PowerOne Environmental

PowerOne, since 1995, has provided our customers with a variety of options for your power equipment and environmental needs. Offering turn-key solutions for your EPA requirements, PowerOne can help.

PowerOne is a full service sales company serving utilities, industrial and commercial markets in Illinois, Iowa, Wisconsin, and NW Indiana.

PowerOne works closely with our customers providing you with support and cost-effective solutions. We are a customer driven organization offering a wide range of products and services to meet your electrical and environmental needs.

Contact Jim Chaggaris at:
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PowerOne Environmental

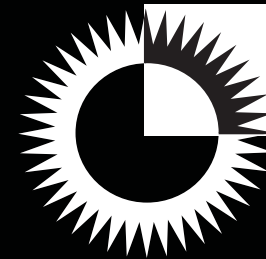
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Authorized Distributor & Installer

BLANKETS



PowerOne Environmental

COMPLETE TURN-KEY INSTALLATION OF
SUBSTATION OIL CONTAINMENT SOLUTIONS



BARRIER BOOM

PowerOne Environmental Substation Oil Containment Solutions

DID YOU KNOW?

- 500% increase in power transformer failures predicted for next 10 years
- In 2000, three utility fires created damages in excess of \$50 million
- A midwest utility reported 222 transformer mineral oil spills in one year

CAN YOU AFFORD IT?

- Negative effect on company and stocks
- Remediation cost for a mineral-oil filled power transformer could exceed \$2 million
- Ground water or water-way contamination
- Harmful for fish, wildlife and vegetation

CAN YOU AFFORD NOT TO?

- Utilizing CI Agent® Barrier Boom Technology
- New and existing substation installation & retrofit
- Meets EPA SPCC 40 CFR112 guidelines
- Certified Design with PE Stamped drawings
- Complete Turnkey Installation

This technology, when used in the form of barrier booms and mats, allows water to pass through while retaining all remnants of the hydrocarbon. C.I.Agent® products are currently being written into SPCC plans across the country. C.I.Agent® is a simple, low-cost, long lasting and effective solution for meeting Federal Regulation 40CFR112.1. ~ PowerOne Environmental is an authorized distributor & installer of C.I.Agent® products.

BLANKETS

C.I.Agent® Polyvinyl Blankets for Hydrocarbon Filtration in Sandy Subsoil.

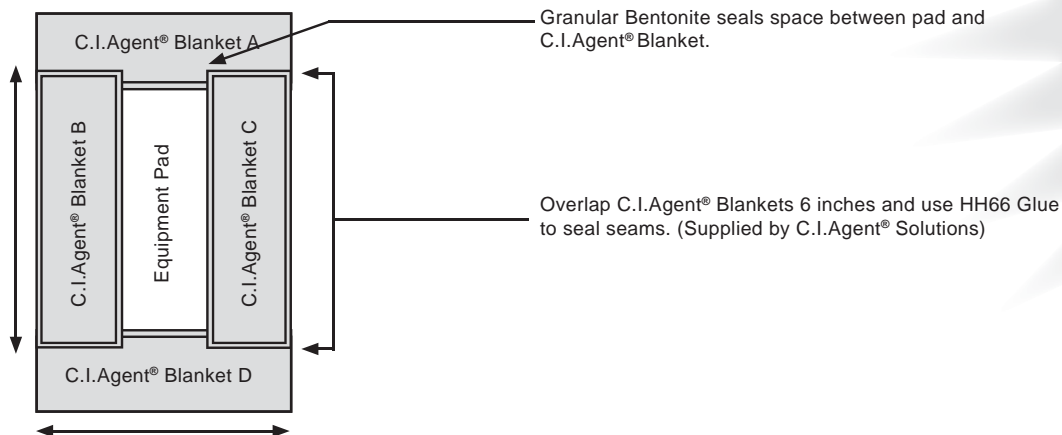


PRODUCT DESCRIPTION:

Spill Containment and Hydrocarbon filtration solutions utilizing C.I.Agent® Polymers to Solidify Hydrocarbon Upon contact

Allows storm water to flow through the C.I.Agent® side walls and base panels while removing hydrocarbon from the storm water. In the event of a large spill, the C.I.Agent® side walls completely plug. The base of the blanket is made of a 22oz. polyvinyl and all the sidewalls of the blanket are made of C.I.Agent® Barrier Boom. Additional C.I.Agent® panels for the floor/base are field installed as needed. The Hydrocarbon Discharge Blankets install quickly and are perfect for Secondary containment in sandy subsoil. They Hydrocarbon discharge Blanket can be pre-fabricated at our plant or fabricated in the field.

Place C.I.Agent® Blankets around equipment pad per drawing below



NOTE: For each equipment pad a total of four C.I.Agent® Blankets will be required.

BARRIER BOOM



Liner Install



Boom with flap supported by stake



Clean stone cover



PRODUCT DESCRIPTION:

C.I.Agent® is a device designed to prevent the flow of hydrocarbons from a containment site while allowing the unimpeded flow of water. The barrier boom is constructed from non-woven geo-textile material filled with C.I.Agent® Granules, a proprietary blend of USDA food-grade polymers, and backed with Agent-X, a non-woven geo-textile material with C.I.Agent® embedded within the fabric. C.I.Agent® Barrier Boom has become the accepted solution for SPCC secondary containment by professional engineers across the nation.

PRODUCT APPLICATIONS:

The C.I.Agent® Barrier Boom is the ideal solution for providing secondary containment as required by 40 CFR 112, SPCC. C.I.Agent® Barrier Boom has been installed and PE Certified more than 4,000 times over the last five years in substations for the electric utility industry. Other applications for secondary containment with C.I.Agent® Barrier Boom include pad-mounted transformers, oil-filled equipment storage areas, bulk fuel and oil storage areas - all without the use of concrete walls, sump pumps and oil-water separator systems.

PERFORMANCE SPECIFICATIONS:

Water flow rate: 10 GPM per sq. ft.
 Hydrocarbon flow rate: 0 GPM (100% containment)
 Service life of installed produce: Up to 200 years

BENEFITS:

- Ease of installation: typically completed in one day
- No special tools required
- Equipment remains fully energized
- No monitoring or maintenance required
- Eliminates the need for concrete walls, sump pump systems and oil-water separators
- Reduces containment cost by 50% to 80% (on average)
- Can be disposed of in most landfills, eliminating the fees associated with hazardous waste disposal

AVAILABILITY:

C.I.Agent® Barrier Boom is manufactured to the specific requirements of the containment site. In most cases the C.I.Agent® Barrier boom can be delivered within two to four weeks from date of order.

For more information call Jim Chaggaris at:

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