

SITEGUARD

Surface-mounted seamless secondary containment system

Features

- Seamless liner
- Durable and puncture resistant
- Professional engineer certified designs
- Inert and VOC-free materials
- Customizable to site requirements
- Liner can be easily cleaned and reused on multiple sites

Benefits

- Eliminates cost of soil remediation associated with leak or spill
- Proprietary gusset and anchor system minimizes surface disturbance
- Virtually maintenance free
- Proven useful life of 20+ years
- Lower total cost of ownership
- 100% capture of all non-volatile fluids



A permanent, low-maintenance, custom-built solution

The SITEGUARD™ seamless secondary containment system provides a barrier that protects the environment from corrosive elements without the need for below-grade installation. In many locations the subsurface conditions and/or local regulations restrict the construction of below-grade containments. In these areas, a surface-mounted containment is the most viable solution. Our secondary containment system is constructed from components and coatings that use our proprietary modified polyurea lining and coating technology. The technology maintains impermeability and puncture resistance under exposure to harsh UV and weather extremes, resulting in long life and minimal maintenance costs.

Engineered for total protection

To construct each containment system our proprietary polyurea lining and coating technology is sprayed onto a flexible geotextile base by our state-of-the-art computer-controlled, robotic system. This assures that a consistent layer of protection is precisely applied across every square inch of the liner. Combined with sturdy steel wall construction, this system ensures your containment will support full hydrostatic loading as designed.

Complete spill containment

In instances where a production tank has failed, our secondary containment system has captured 100% of the non-volatile fluid.

Each system is custom built to fit your site and SPCC requirements. The SITEGUARD seamless secondary containment system is backed with an 18-month warranty.



SITEGUARD secondary containment systems have been installed in more than 8,000 locations with a 100% environmental success rate.

Specialized gusset and anchor system

The walls of our surface-mounted containment system are supported through a proprietary gusset and poly anchor system to conform to stringent state regulations regarding surface disturbance. The result is a robust wall structure that provides many years of protection.

Our surface-mounted secondary containment systems are *engineered to protect* your investment, the environment and your reputation.

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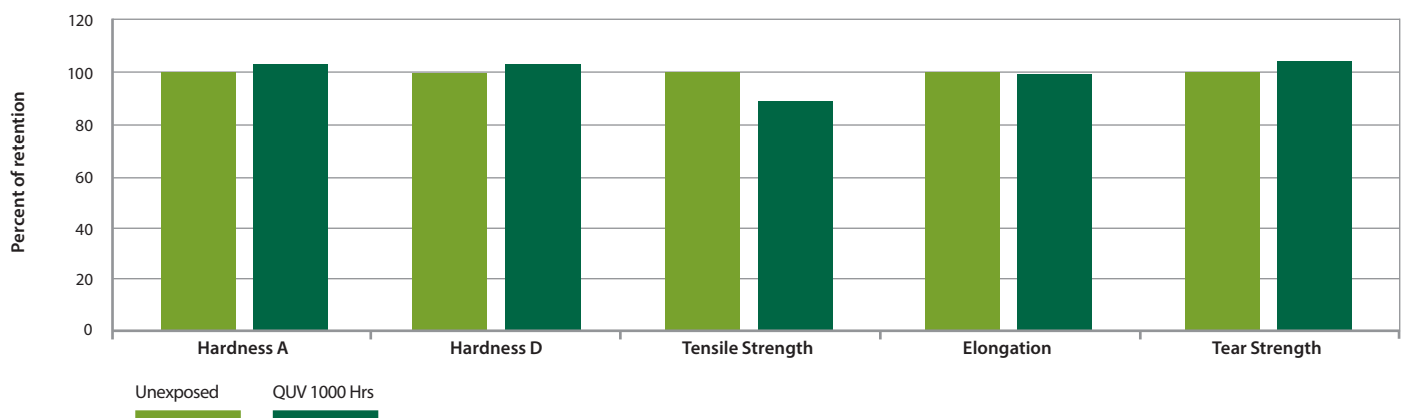
Elastomer physical properties

Physical Test	Test Method	Typical Value
Hardness, Shore A	ASTM D-2240	85-90
Tear strength (pli)	ASTM D-624	300-350
Elongation (%)	ASTM D-412	350-500
Tensile strength (psi)	ASTM D-412	1,600-2,800
Taber abrasion (mg wt loss)	ASTM D-4060	1.0* (0.001%)
Static coefficient of friction (wet/dry)	ASTM C-1028	0.77/1.02
Electrical resistance (Ω)	ASTM F-150	10^{12} (insulative)
Permeability (perms)	ASTM E-96	0.05
Permeability (cm/sec)	ASTM D-4491	0×10^{-12}
Puncture resistance (lbs) (top side)	ASTM D-751	129
Puncture resistance (lbs) (bottom side)	ASTM D-751	137

*Abrasion loss: tested at CS17 wheel, 1 kg load, 1,000 cycles

The polyurea spray used in our proprietary liner retains its properties even after years of exposure to UV light and extreme weather conditions. The maximum recommended long-term exposure temperature is 200°F (93°C).

Weatherability characteristics



The most durable liner in the industry

FALCON TECHNOLOGIES produces a family of high-performance products featuring a proprietary modified polyurea lining and coating technology that provides a seamless, durable, maintenance-free layer of protection for your wellsite. Weather is not an issue either—our liner is UV resistant and retains its properties to -40°F. With a proven useful life of 20+ years, our liner technology significantly extends asset life, resulting in dramatically reduced maintenance and replacement costs for a much lower total cost of ownership.



For purchasing or inquiries about SITEGUARD surface-mounted products, please contact +1 724 553 9300

falcontsi.com

