

GROUNDGUARD HYDRASAFE



Pre-sprayed liner that consists of geotextile backing robotically coated with an impermeable layer of UL Certified ANS/NSF 61 pure polyurea

Ideal for applications in:

- Fish ponds
- Dairy lagoons
- Golf Courses
- Irrigation ponds
- Mining
- Koi ponds
- Canals
- Winery wastewater
- Water gardens
- Fish hatcheries
- Tank liners
- Recreational ponds and lagoons
- Wastewater treatment
- Wildlife habitat



Features

- Chemically inert, environmentally friendly, contains no Volatile Organic Compounds (VOC)
- Proprietary state-of-the-art, automated manufacturing process provides the highest level of consistency and coverage per square foot
- Excellent UV resistance, providing a long-lasting solution
- Engineered and tested to resist tearing, puncturing and most chemicals
- Over 25 million square feet produced and proven durable in harsh oilfield and industrial conditions
- USGBC LEED, EQ Credit 4: low-emitting VOC compliant application



Benefits

- Far outlasts less durable alternative liners such as HDPE, LLDPE, PVC and EPDM
- Provides a seamless, weld-free liner solution, eliminating leaks due to weld failures
- No leaching of plasticizers or other chemicals
- Reduces installation time, resulting in lower costs
- Lays flatter for easier installation, reducing trip hazards
- Maintenance-free, easy to clean and reusable
- Lowers total cost of ownership with a proven useful life of 20+ years
- Geotextile coated with an impermeable layer of UL certified ANSI/NSF 61 pure polyurea
- Eliminates labor-intensive surface preparation to various substrates
- Seamless waterproofing membrane has excellent impact and abrasion resistance for harsh environments
- Available in cucumber green, gray or tan

Customize to fit any application

GROUNDGUARD can be customized to your application with different types of slip-resistant options including crumb rubber, coal slag, aluminum oxide or quartz. Multiple color and woven or non-woven geotextile combinations are available.

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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

Standard liner properties

Physical Test	Test Method	Typical Value
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 x 10 ⁻¹²

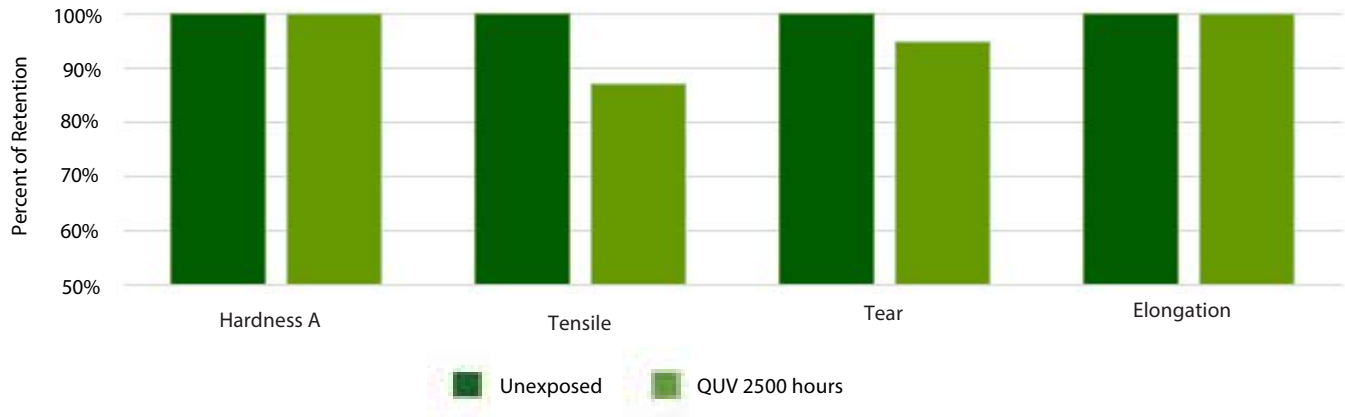
*Abrasion loss: tested at CS17 wheel, 1 kg load, 1,000 cycles

Coated geotextile physical properties

Liner description	Avg Thickness (mils)	ASTM D-412 Tensile strength (psi)	ASTM D-751 Puncture Resistance (lbs)	ASTM D-624 Tear Resistance (lbs)
16 oz Non-Woven Potable	60	911	140	78
16 oz Non-Woven	55	502	140	69
10 oz Non-Woven	55	811	99	47
Woven Heavy Duty	85	577	214	44
Woven Select	60	4,112	135	32
GROUNDGUARD LITE	40	15	37	19

Result is average of machine and transverse direction

Weatherability characteristics



standard product line physical properties.

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