

# GROUNDGUARD CR

Crumb rubber slip-resistant prefabricated liner

## Features

- Geotextile material coated with a slip-resistant impermeable layer of proprietary modified polyurea
- State-of-the-art, automated application process ensures a consistent layer of durable protection
- Engineered and tested to resist tearing, puncturing and most chemicals
- Customize size, color and thickness to fit any application

## Benefits

- Environmentally friendly—made using 100% recycled tires for an eco-friendly sustainable solution
- Non-abrasive, slip-resistant texture
- Improves safety by improving grip in heavy foot traffic areas
- Provides ergonomic cushioned surface for walking and standing



## Highly cost-effective temporary and permanent site protection

The GROUNDGUARD® CR crumb rubber prefabricated liner creates an impermeable protective layer between the environment and hazardous fluids commonly found in oil and gas, mining and industrial sites. It provides protection against leaks or spills from tanks, pipes and other vessels—simplifying or eliminating the need for remediation.

## Slip-resistant coating improves safety in all weather conditions

GROUNDGUARD CR crumb rubber liner is engineered with a textured surface to reduce the risk of slips and falls. ASSETGUARD has developed an automated process resulting in a high-performance, slip-resistant liner ideal for areas that require the highest level of slip resistance and protection. Crumb rubber is introduced during the robotic coating process, creating a permanently impregnated slip-resistant texture.

The state-of-the-art automated coating application process ensures the highest level of consistency and coverage per square foot. It maintains impermeability and puncture resistance under exposure to harsh UV and weather extremes, resulting in a long lifespan with minimal maintenance requirements.

Only a single layer of the liner is required instead of multiple layers of HDPE. And it lays flatter for an easier installation than alternative liners, reducing trip hazards and improving site safety and spill containment.



## Proven durability and protection in over 36,000 installations globally

The durability and performance of our revolutionary liner has been proven in more than 36,000 installations. Should a spill occur on the liner, it is contained, so it can be recovered and cleaned easily, avoiding a reportable incident, costly remediation and negative publicity.

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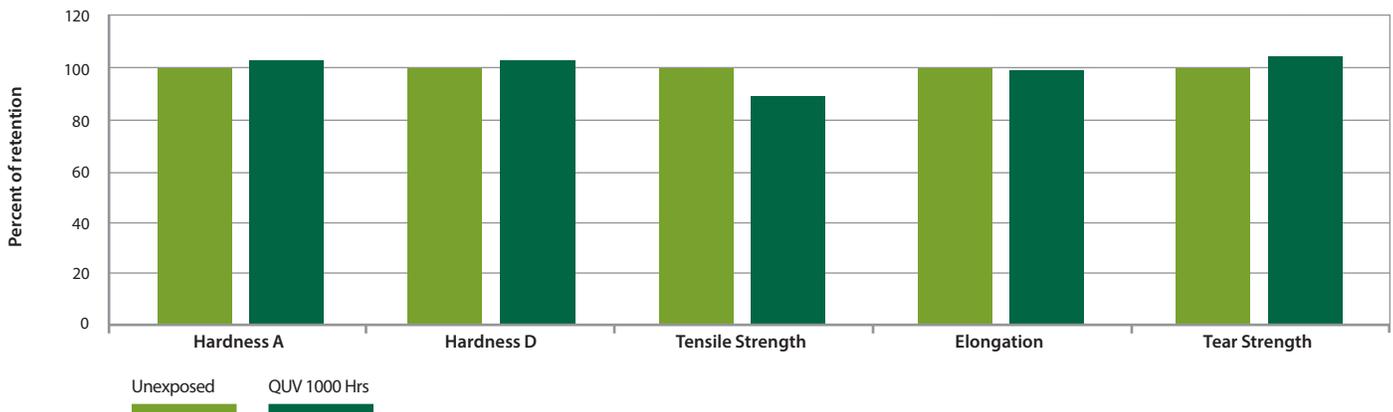
## Flexible, reusable and recyclable

The GROUNDGUARD CR liner is flexible and durable so it can be transported and reused multiple times for a variety of applications. The liner can be sized to fit individual equipment, such as trucks, temporary secondary containment for tanks, permanent secondary containment, containment tail ponds or entire work sites. It can be easily cleaned and trimmed to smaller sizes for subsequent applications. The liner can be attached to perimeter materials such as steel, concrete, wood, corrugated pipe, foam or our proprietary POLYBERM product to create a containment system. It contains no VOCs and is chemically inert, which makes it safe and fully recyclable.



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



## 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%)                 |
| Electrical resistance (Ω)               | ASTM F-150  | 10 <sup>12</sup> (insulative) |
| Permeability (perms)                    | ASTM E-96   | 0.05                          |
| Permeability (cm/sec)                   | ASTM D-4491 | 0 x 10 <sup>-12</sup>         |
| 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 most durable liner in the industry

ASSETGUARD 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. 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, ASSETGUARD technology significantly extends asset life, resulting in dramatically reduced maintenance and replacement costs for a much lower total cost of ownership.

Talk to ASSETGUARD to find out how we can help you protect your assets and the environment.

[assetguardproducts.com](http://assetguardproducts.com)

**ASSETGUARD**  
A CARBO business