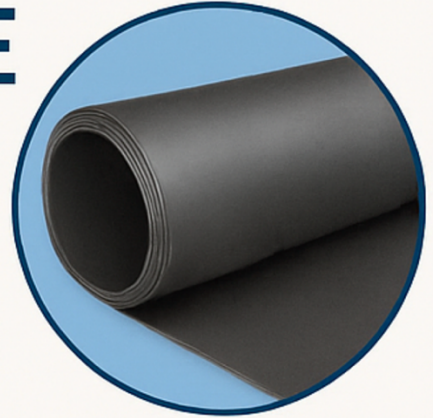


The Geomembrane That Will Last for... Well ... Ever!

by GNA Editor

THE GEOMEMBRANE THAT WILL LAST FOR... WELL... EVER!



Unmatched
Temperature Range



Zero Known
Degradation Pathways

Looking for a geomembrane with a 1,000+ year lifespan? The future is already here.

In a world where industrial containment, chemical processing, and environmental resilience demand more than what traditional liners can offer, EverLiner™ from Textiles Coated International (TCI) stands as a revolutionary leap forward. This is no mere polyethylene liner. This is 100% PTFE (polytetrafluoroethylene) — a material so chemically inert and thermally stable, it's often said to be "immune to time itself."

What Makes EverLiner™ So Special?

Engineered for environments that would destroy conventional geomembranes, EverLiner™ isn't just another product — it's a paradigm shift.

Unprecedented Material Composition

Made entirely from PTFE plies reinforced with PTFE reinforcement, EverLiner™ resists virtually all chemicals — strong acids, solvents,

hydrocarbons, oxidizers — making it a first-choice liner in industries ranging from refineries to acid regeneration pits. Unlike HDPE or PVC liners, PTFE doesn't oxidize, hydrolyze, or leach.

Unmatched Temperature Range

With a functional temperature window from -254°C to $+316^{\circ}\text{C}$, it surpasses even the most advanced polyolefin liners. While special raised-temperature HDPE begins to deform above 95°C , EverLiner™ can easily line tanks or ponds at 150°C and beyond — a critical requirement for modern chemical and energy facilities.

Zero Known Degradation Pathways

Perhaps the most astounding feature of EverLiner™ is that no natural degradation mechanism for PTFE has ever been identified. UV rays? No effect. Hydrolysis? Impossible. Oxidation? Negligible. The result? A liner that, barring mechanical damage, can essentially last forever.

Key Specifications

| Property | EverLiner™ Value |
|----------------------------|---|
| Material | 100% PTFE |
| Max Operating Temperature | 316°C |
| Min Operating Temperature | -254°C |
| UV Resistance | Total (no degradation) |
| Chemical Resistance | Universal (except molten alkali metals) |
| Max Thickness | 1.52 mm |
| Heat-Sealing | Factory or field-weldable |
| Fire Rating | Non-flammable |
| Tear & Puncture Resistance | Excellent |

Case Study: Petroleum Tank Containment, Alberta, Canada

In 2024, a major Canadian refinery was facing a containment dilemma: how to safely line a secondary bund for a 150°C heated petroleum tank. HDPE and PP liners would melt or crack. Only EverLiner™ could handle the temperature, hydrocarbons, and environmental exposure. It was installed in under a week and remains the only liner of its kind approved for such high-temperature secondary containment in the region.

Why This Changes Everything

Traditional geomembranes — even premium HDPE, LLDPE, and PE-RT — degrade over time. Oxidative cracking, UV aging, chemical leaching, and weld seam failures are common failure modes. EverLiner™ eliminates these weaknesses at the molecular level.

Recommended For:

- High-temperature chemical storage
- Radioactive waste containment
- Reactive Rock piles that need cover for 1000 years
- Long-term landfills
- Aggressive wastewater treatment
- Floating covers in harsh UV environments

...there's now one answer: EverLiner™.

Final Thoughts

In an era demanding climate resilience, zero-leak reliability, and ultra-long service life, EverLiner™ redefines what's possible. This isn't just a liner. It's the last liner you'll ever need.

For more information and pricing please contact:

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As Seen In:



