

***Line. Cover. Contain.***



## **GEOMEMBRANE LAYER GUIDE**

**4-LAYER  
TECHNOLOGY**

**XR® Geomembranes** are constructed around a high-strength base fabric employing a proprietary EIA-based coating formulation. This approach results in a geomembrane that is both stronger and more flexible than other geomembranes. The broad protection of the **XR** coating makes **XR Geomembranes** ideal for diverse applications.



Visit:  
[XRGeomembranes.com](http://XRGeomembranes.com)  
for product details and  
specifications

### Fabric Layer

#### FEATURE

Unique heavyweight weft inserted knit polyester design.

#### BENEFIT

XR provides superior tensile strength, puncture resistance, and low thermal expansion. Its stronger base fabric ensures the geomembrane's integrity, with minimal influence from compound thickness.

### Adhesive Coat

#### FEATURE

Innovative polymeric adhesive coat that creates a molecular bond between the yarns to the base fabric and exterior coating.

#### BENEFIT

Strong seam strength holds up under heavy loads and high heat, prevents delamination and blocks moisture at cut edges.

### Face Coat/ Back Coat

#### FEATURE

Proprietary compound with over 50-years of proven performance.

#### BENEFIT

EIA is a non-crystalline polymer resistant to stress cracking, easily welded and repaired, with excellent chemical and UV resistance.

Fabric Layer ►

Adhesive Coat ►

Face Coat ►

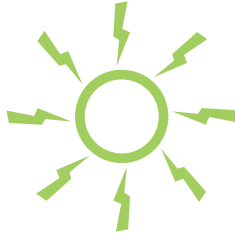
Back Coat ►



# Engineered for Protection where Performance is Essential



**Excellent  
Chemical Resistance**



**Outstanding  
UV Resistance**



**High Puncture  
Resistance**



**Superior Tensile Strength  
and Durability**



**Flexibility in Installation  
including Prefabrication**



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