

RoboLiner®

Composite Pure Spray Structural Coatings

Secondary Containment System

Typical Physical Property	ASTM	Results
Hardness	D-2240	37 Shore D
Tensile Strength	D-638	2000 psi 100 ppi*
Elongation	D-638	175%
Die C Tear Strength	D-624	445 pli 34 lbs*
Trouser Tear Strength	D-624	95 pli 75 lbs*
Bursting Strength	D-751	415 lbf 171 psi*
Puncture Resistance	D-751	67 lbf

Patent US 8,500,941 B2 August 6, 2013
 Patent US 9,056,714 B2 June 16, 2015
 Patent Canada 2683244 C 2014/11/18

RoboBarrier

Vapor Intrusion Liner

Typical Physical Property	ASTM	Results
Hardness	D-2240	37 Shore D
Tensile Strength	D-638	2000 psi 2500 psi
Elongation	D-638	175%
Die C Tear Strength	D-624	445 pli 34 lbs*
Trouser Tear Strength	D-624	95 pli 75 lbs*
Bursting Strength	D-751	415 lbf 171 psi*
Puncture Resistance	D-751	67 lbf
Moisture Vapor Transmission	E-96	0.02 perm

Compound	Diffusion Coefficient
Benzene	$3.8 \times 10^{-16} \text{m}^2/\text{s}$
Toluene	$4.5 \times 10^{-16} \text{m}^2/\text{s}$
Trichloroethylene	$8.3 \times 10^{-16} \text{m}^2/\text{s}$
Radon	$5.1 \times 10^{-16} \text{m}^2/\text{s}$

The RoboLiner® System is robotically manufactured in a controlled environment, fully cured, and quality-tested before delivery. Unlike field-applied liners, it installs quickly to form a seamless, monolithic barrier - no seams, backfilling, or covering required.

- Pre-manufactured robotically in a controlled environment
- Compliant with EPA regulations for secondary hydrocarbon containment
- Fast installation reduces mobilization costs and downtime
- Reduces material waste
- Cost effective

RoboBarrier is the first EVOH / polyurea multi-layered membrane developed specifically for Brownfields and Vapor Intrusion sites. Engineered for durability and efficiency, it delivers unmatched protection against chemical vapor intrusion.

- Remains flexible in the cold, extends application season
- Operational range from -50° F to 225° F dry temp
- Excellent UV Stability
- Seals seamlessly around penetrations
- Vertical applications

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