

A Vapor Barrier System That Delivers On Safety And the Bottomline

Mono Shield™
Reinforced Aluminum
Contaminant Vapor Barrier





Key Benefits



Quick and Simple
Installation



Excellent
Constructability



Chemically
Resistant



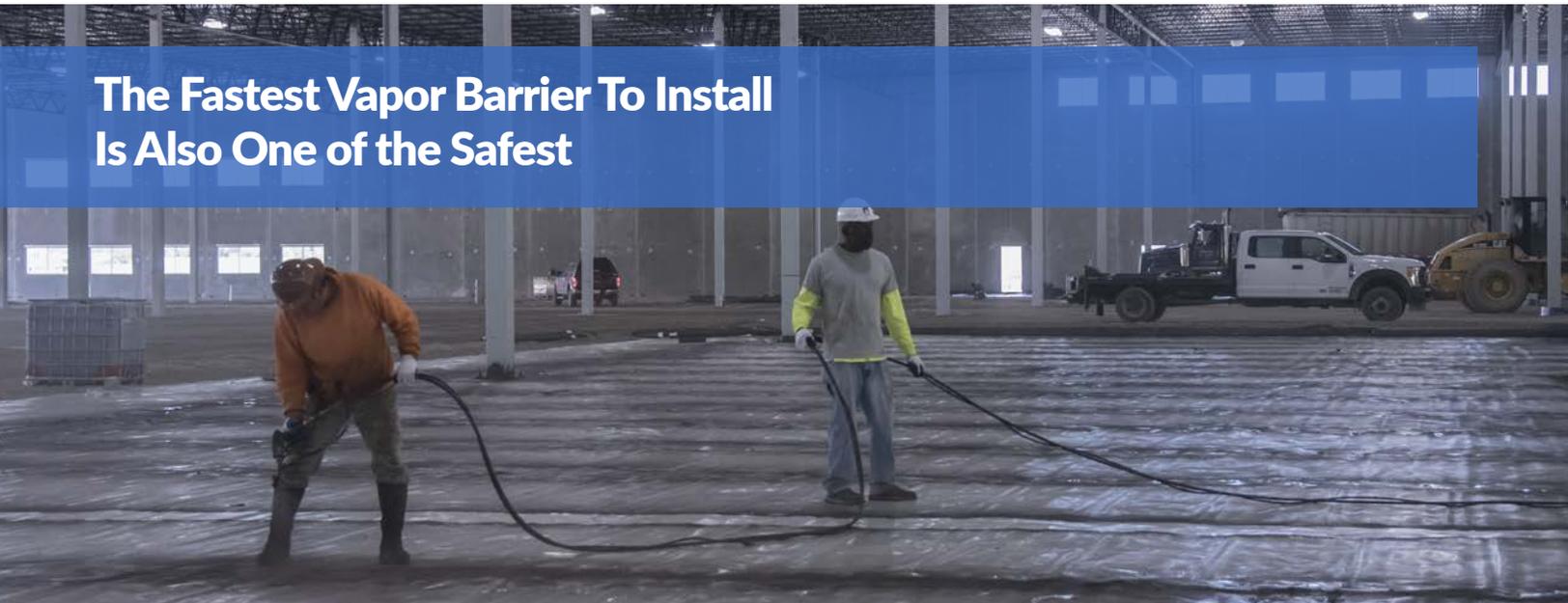
Competitively
Priced

Introducing MonoShield

MonoShield is a chemically resistant and easy-to-apply barrier specifically designed as a preemptive solution for vapor intrusion at brownfield redevelopment sites. It is backed by unparalleled design support, robust warranty options, and a network of certified applicators who can ensure quality installation.



The Fastest Vapor Barrier To Install Is Also One of the Safest



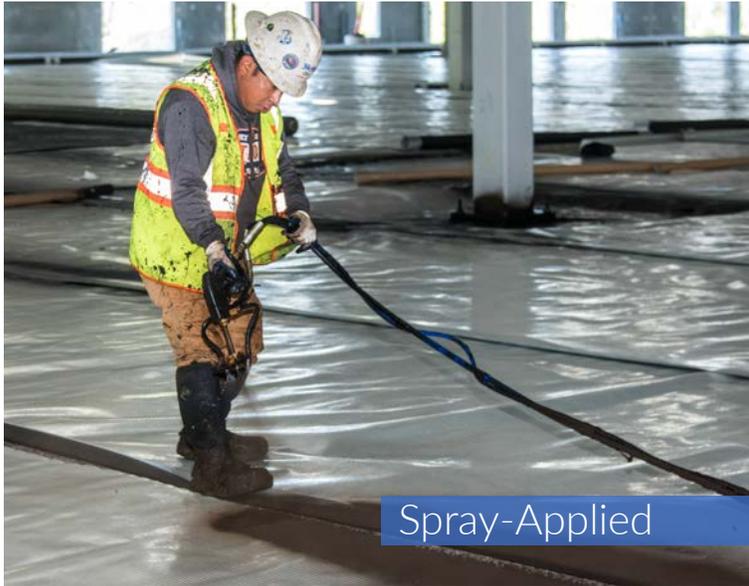
Prior to MonoShield, solutions for vapor intrusion mitigation at large warehouses or retail developments, where regulatory requirements are not a driving factor, were easily-punctured thin-mil plastic sheets or inflexible and difficult-to-seal HDPE barriers. These solutions offered either chemical resistance or constructability, but not both.

Composed of an innovative metalized film seamed with a nitrile-modified asphalt, MonoShield sets the standard for preventing diffusion and permeation of chemical vapors. The spray-applied seal is far more

effective and easier to apply than tape-based or heat-welded systems, MonoShield offers the best of both worlds, providing developers with a viable long-term solution for reducing liability and protecting human health at a competitive price.



A Cost-Effective Vapor Barrier with Superior Constructability



Smoke Tested	✓	✗
Fast Application	✓	✗
Certified Applicators	✓	✗
High Seam Integrity	✓	✗

MonoShield Saves Time And Money

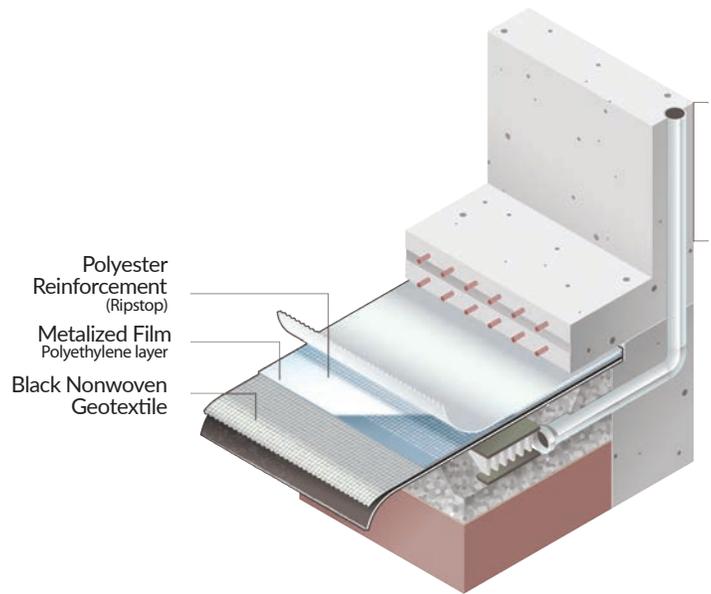
As with any construction project, but especially with regards to a voluntary preemptive action, cost is often a critical factor; MonoShield was designed with this in mind. One of the most significant advantages is reduced installation time.

MonoShield can be installed 30-40% faster than alternate plastic sheeting or HDPE systems. This saves money by reducing contractor costs and shortening the development timeline.

MonoShield offers superior durability and chemical resistance. Seams are spray-applied by certified applicators and quality tested to ensure the highest level of performance. MonoShield can improve indoor air quality, protect building occupants from exposure, and significantly reduce future liability, leading to immeasurable long-term cost savings.

Key Product Benefits

- ▶ **FASTER**
Installation 30-40% faster on average
- ▶ **EASY TO INSTALL**
Advanced composite sheet incorporates continuous layer of aluminum encased in low permeance flexible polymers
- ▶ **SPRAY-APPLIED NITRILE SEAMS**
Unique spray-applied nitrile rubber offers an order of magnitude better resistance to contaminant vapors



MonoBase is a patent pending 30-mil composite geomembrane comprised of flexible chemically resistant metalized film laminated to a geotextile, a copolymer polyethylene and a tear resistant polyester reinforced grid structure. It is designed to act as a stand-alone vapor barrier in combination with MonoCore sealing around seams, penetrations and terminations.



The nitrile core is applied at the seams of the MonoCore base layer, with a 6" overlap of the base layer, spraying both under and over the overlap. The nitrile core seals around the penetrations and perimeter terminations.





MonoShield™

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