



# Why Smart Developers Are Choosing MonoShield



## Quality Assurance and Quality Control Measures (QA/QC)

The need for proper QA/QC is vital for ensuring long-lasting performance in a vapor barrier system. It is important to perform smoke testing following installation to verify the vapor barrier has been installed to specifications. Smoke testing is the most common and effective way to determine if the vapor barrier was installed properly. By having the seams and utility penetrations sealed with a spray-applied nitrile-advanced asphalt latex, the smoke test can be completed more effectively and much faster.



## System Durability

MonoShield incorporates a polyester reinforcement and nonwoven geotextile fabric to increase the durability of the system and allows construction to proceed unimpeded. In the case of a warehouse construction, this is a big advantage, since the system has been designed to withstand ongoing construction traffic.



## Proven Chemically Resistant for a Wide Range of Contaminants

MonoShield has been demonstrated to be highly effective against a wide range of contaminants and diffusion testing can be provided to demonstrate effectiveness for site-specific contaminants.

**Are You Planning a Vapor Intrusion Mitigation Project? Contact us today for a free estimate.**

1011 Calle Sombra, San Clemente, CA 92673

Phone: (949) 481-8118

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



## Nitrile-Advanced Asphalt Latex Seams vs. Taped Seams



### Example of Nitrile-Advanced Asphalt Latex Seams

MonoShield applications utilize a spray-applied nitrile-advanced asphalt latex to seal seams and penetrations, eliminating bottlenecks in performance and installation time.



### Example of Taped Seams

Traditional vapor barrier installations require taped seams which contributes to long construction times and uncertainty in performance.

## Technology

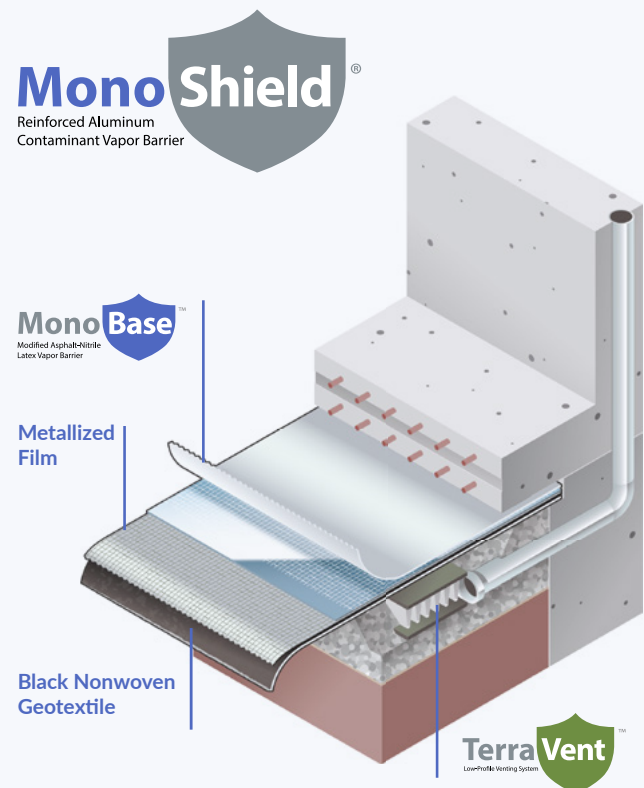
### Innovative Metallized Film Technology

Composed of an innovative metallized film that sets the standard for preventing diffusion and permeation of chemical vapors and a nitrile-advanced asphalt latex that ensures a seal 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 cost.

### Nitrile-Advanced Asphalt Latex Technology

Land Science researchers have developed a breakthrough technology which incorporates nitrile, a material known for enhanced resistivity to contaminant permeation, into the spray applied core formulation. The resulting spray-applied core component offers an improvement of up to 10x in chemical resistivity compared to generic asphalt-latex spray applied barriers.<sup>1</sup>

*1. U.S. and international patents pending.*



**Are You Planning a Vapor Intrusion Mitigation Project? Contact us today for a free estimate.**

1011 Calle Sombra, San Clemente, CA 92673

Phone: (949) 481-8118

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

