



# Poly Shield XI 3-Ply Panels & Continuous Links

**MERV 11**

VE3™ • Dustlok® Composite Adhesive • Spor-Ax® Antimicrobial



## Poly Shield XI MERV 11 Panels

- One panel delivers 3-stages of filtration. First stage designed for depth-loading; second stage captures particulate and keeps it from filtering through the media; third stage, Dustlok composite adhesive, absorbs particles and continuously renews its effectiveness.
- Manufactured with Spor-Ax antimicrobial to effectively control the growth of mold, mildew, algae and fungi on the filter media.
- Exceeds new construction phase requirements for LEED certification program.

Mechanical MERV 11

\*No Electrostatic Charge

## Engineered Protection

**VE3™ Technology** Eliminates SARS-Cov-2 and other air born threats. Independent testing resulted in >99.99% inactivation of COVID-19 virus particles.

### Highly Efficient Mechanical MERV 11

Poly Shield XI panels combine MERV 11 efficiency with the benefits of dual-density media. The unique media design will provide superior dust holding and long service life. Manufactured with Dustlok Composite Adhesive, an aggressive adhesive that has the ability to absorb particles and **continuously renew its effectiveness.**

### Spor-Ax Antimicrobial Keeps Filter Media Free From Mold, Mildew, Algae & Fungi

Fiber Bond's Spor-Ax antimicrobial is part of the manufacturing process, not a costly, post-application. The elimination of microbial growth reduces resistance and extends service life.

**Poly Shield XI w/ *VE<sub>3</sub>* Media Technical Data**



**Filter Media:** Polyester  
**Initial Resistance:** 0.45" w.g. at 492 fpm  
**Flammability:** UL 900 Classified **Performance:**  
**MERV:** 11  
**Recommended Final Resistance:** 1.0" w.g.  
**Maximum Operating Temperature:** 200° F

**Poly Shield XI Panel Specifications**

Panel shall be a distinct 3-ply design comprised of polyester fibers.

- The air leaving side shall be purple in color and contain a non-migratory, non-drying, Dustlok composite adhesive coating all downstream fibers.

- An internal 9-gauge support grid with up to two cross wires seals the panel in place, preventing fluttering and dirt bypass.

- Media shall contain Spor-Ax antimicrobial which effectively controls microbial growth on the filter media.

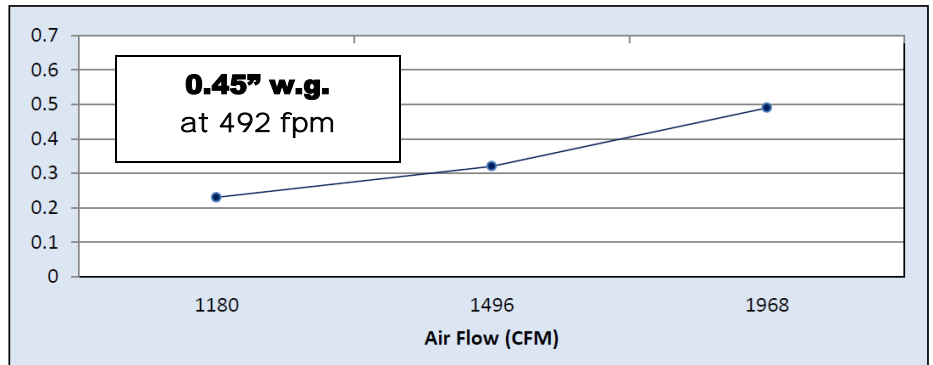
- Media shall be MERV 11 in accordance with ASHRAE 52.2-2012

Panel test results in accordance with internal Fiber Bond test method ASHRAE 52.2-2012 (M)

Fiber Bond has a policy of continuous improvement and reserves the right to alter design and specifications without notice.

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**Poly Shield XI 3-Ply Panel Resistance vs. Air Flow**



**Poly Shield XI 3-Ply Panel Initial Particle Removal Efficiency**

