

# ZERO PERM FOIL VAPOR BARRIER



Provides an outstanding barrier that reduces water vapor transmission to practically zero. Aluminum foil has been laminated between 2 layers of Mylar (Polyester film), thus preventing the ingress of vapor moisture, salt spray, corrosion, oxidization, chemical reactions, oils, greases, and other causticity damage.

Applicable to Foamglas, cellular glass, nitrile rubber foam, mineral fiber, polyurethane, polystyrene, polyisocyanurate, urethane, semi-rigid and rigid material insulations as secondary vapor covering and jacketing for low temperature, cryogenic, cold storage, petrochemical projects, and specialty industries including ammonia, ethylene, butane, propane, methanol, oil, liquid natural gas (LNG), liquid petroleum gas (LPG), LN2, etc. Specify for replacement for mastics, rubber sheeting, glass cloth, and other interior and exterior jacketing materials.

## Features:

- Absolute vapor barrier
- Extreme tear resistance
- Extreme puncture resistance
- Great temperature application  
-100°F to 300°F( -70°C to 150°C)
- Lightweight and flexible
- Easy to cut and quick to install
- Fast, and safe installation
- Low maintenance costs
- Works well in all climates
- Environmental friendliness,  
safety, and non-toxicity
- Fire rating : Class 1/Class A

PROPERTY	VALUE
Aluminium foil sandwiched between two layers of polyester film	12 µm polyester film 25 µm aluminium foil film 12 µm polyester film
Total thickness	54 µm
Temperature range	-100°F to 300°F
Volumetric mass	1.93 kg/dm <sup>3</sup>
Water vapour permeability	0.00 Perms ASTM E 96 Procedure E (100°F, 90% R.H.)
Tensile strength	119 Mpa (17,300 psi)
Yield strength	70 N /cm (40 lbs/inch)
Tear resistance (Elmendorf)	400 g /mm
Flame spread	15 ASTM E-84
Smoke development	35 ASTM E-84