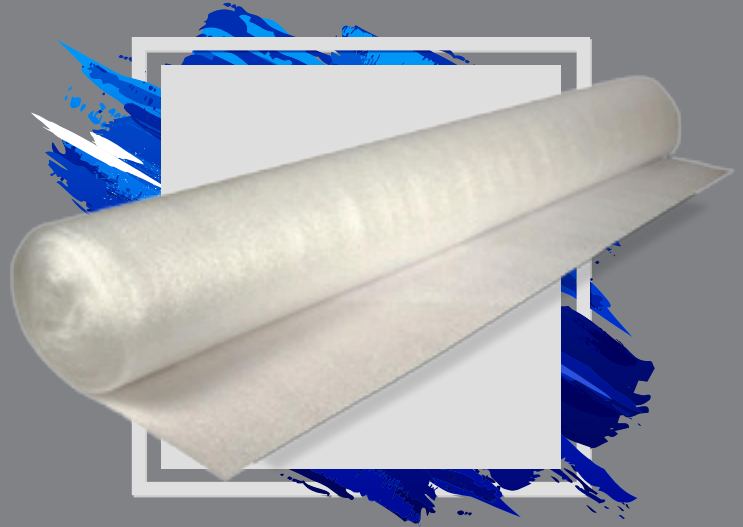


Infrastructure – Water Proofing Stage

# POLYETHYLENNE VAPOUR BARRIER



## POLIANE

**POLIANE®**

### PRODUCT NAME

Poliane (POLYETHYLENNE VAPOUR BARRIER).

### PRODUCT DESCRIPTION

Poliane is a polyethylene vapour barrier to alkalis, salts, acids and chemicals found in sub-soils. Fully stable and waterproof.

### DIMENSIONS

Supplied in rolls of different lengths, widths and thicknesses.  
Film Thickness: From 100 gauges (25 Microns) to 1200 gauges (300 Microns).  
Film Length: up to 25 meters.  
Film Width: up to 4 meters

### BASIC USE

Used as a vapour barrier and damp proof membrane in concrete slabs, floors, insulation boards shuttering, etc... For corrosion protection of water and oil pipelines. Protects from the sun, wind, rain, dust and damage.

### COMPOSITION & MATERIALS

Poliane is an anti-corrosive and weather resistant polyethylene vapour barrier.



# POLYETHYLENE VAPOUR BARRIER

## APPLICATION

Sleeves for corrosion protection of water and oil pipelines. Agricultural film for greenhouses, plastic tunnels & other agro-techniques.  
Construction film used as a vapor barrier and damp proof membrane in concrete slabs, floors, over insulation boards, shuttering etc.

## DURABILITY

It retains its physical properties and remains chemically resistant to aggressive soil organism, plant and other soil fauna as well as domestic sewage and retains its flexibility in temperatures over 80oC.

## TECHNICAL SPECIFICATIONS

**TABLE 1- POLYETHYLENE FILM THICKNESS**

Millimeter	Gauge	Micron (μ)	Mill
0.05	200	50	2
0.08	320	80	3.2
0.10	400	100	4
0.15	600	150	6
0.20	800	200	8
0.25	1000	250	10
0.30	1200	300	12

1 guage= 1/100 mill = 1/100,000 inch=25.4/100,000mm = 0.254 micron

**TABLE 2 - TYPICAL PERFORMANCE CHARACTERISTICS**

Properties	Unit	Value	Test Method (ASTM)
Density at 24°C (unpigmented)	g/cc	0.923	D-1505
Dart impact	g	100	D-1709
Tear resistance	kg/cm <sup>2</sup>	80	D-1004
Tensile strength (Longitudinal direction) Transverse direction)	kg/cm <sup>2</sup> kg/cm <sup>2</sup>	180 170	D-882 D-882
Elongation (Longitudinal direction) Transverse direction)	% %	230 375	D-882 D-882
Transparency	%	20	D-1746
Gloss	45	40	D-2457
Haze	%	9.0	D-1003
Heat seal range	°C	115-175	-
Moisture Loss	g/cm <sup>2</sup>	0.055	C-156

# LOCATION

Salwa Road - Al Waab City - C2 Building - 2Nd Floor - Office 203 - Above Audi Showroom  
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