



## IWR-701 PAP Butyl Rubber Tape

### S.A. Vapour Barrier Membrane

#### Description

IWR-701 PAP is a heavy duty self vulcanising vapour barrier tape with an polyester/aluminium/polyester laminate backing and a strong self bonding layer. It is impervious to wind, rain and snow when properly applied. It bonds perfectly to PIR and cellular glass insulation.

#### Construction

A compound of an elastomeric modified butyl rubber, pressure sensitive adhesive laminated with a 49 micron thick polyester aluminium/polyester (12 mic polyester/ 25 mic aluminium/12 mic polyester) laminate foil and a silicone treated paper liner.

#### Application

For maximum adhesion the surface must be clean and free of moisture and foreign contamination (commercially clean); a remote trace of moisture will seriously affect adhesion. Do not stretch over 3%; the tape should be pressed down firmly.

#### Availability

For use as primary vapor barrier on straight piping and equipment, in rolls: 1000 mm (w) x 15 meters.

161.5 ft2 (15m2) per roll

For use as primary vapour barrier for finishing elbows, tees and reducers: 50 mm(w) x 15 lin.mtr and 75 mm(w) x 15 lin.mtr and 100 mm(w) x15 lin.mtr.

#### Physical properties

Thickness	1,2 mm (± 3%) (other thicknesses upon request) <b>50-mils</b>
Density	1,1 g/cm <sup>3</sup>
Colour	Bright aluminium
Tack	Immediately
Bonding time	24 hours max.
Adhesion to galvanised steel	2,0 kg/cm
Pressure rating	max. 4000 Pa (HSTM-0010 individual measured @ 20°C)
Solids	100%
Flammability	DIN 4102 Class 1 B2 UL-listed
Water vapour permeance	0.00 Metric perms for the complete product with the laminate foil 0.02 for the elastomeric butyl rubber backing
Flammability (ASTM E 84)	Flame spread 10
Storage/shelf life	Dry, max. 2 years in closed packing

## Thermal properties

Temperature resistance	-20°C / +70°C (reformulation: -30°C / +85°C)
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The adhesive can be reformulated for lower and higher temperature depending on climatic conditions.

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