



Kooltherm[®] Tape

EFFECTIVE VAPOR SEALING OF ALUMINUM FOIL FACED INSULATIONS



- Reinforced for extra strength
- Effective vapor sealing
- Super strong pressure sensitive adhesion



*Low Energy –
Low Carbon Buildings*

Kooltherm® Tape

Product Description

Kingspan Kooltherm® Tape is a fire retardant reinforced aluminium foil tape providing a vapor seal join in aluminium faced insulation products.

Kingspan Kooltherm® Tape is pressure-sensitive for exceptional adhesion.

The nature of the backing gives *Kingspan Kooltherm® Tape* a rare combination of high strength, flexibility and conformability.

Product Data

Test	Test Method	Value	
		(Imperial)	(Metric)
Product Thickness [□]	PSTC-133	6.9 mils	0.18 mm
Peel Adhesion [△]	PSTC-101	40 oz / in	11.1 N / 25 mm
Shear Adhesion	PSTC-107	>24 hrs@2.2 psi	>24 hrs@15.2 kPa
Tensile Strength	PSTC-131	25 lb / in	112.9 N / 25 mm
Elongation	PSTC-131	30 %	30 %
Service Temperature		-40 to 185 °F	-40 to 85 °C

[□] - excluding liner

[△] - 20 minute dwell

Typical values are not intended to be used for specification development. Technical data is believed to be true and accurate; Venture Tape recommends that the purchaser test for fitness of use in all applications.

Property	Value
Standard Dimensions	3 in x 150 ft / 72 mm x 50 m
Rolls per case	16
Thickness (w/o liner)	205 microns
Tensile strength	100 N / 25 mm
Adhesion to steel	112.9 N / 25 mm
Elongation at break	25 %

All technical data and recommendations are given on the understanding that the users will independently determine the suitability of the tape for their purpose.

Recommended Kooltherm® Applications

Wall Application	Insulation Product	Min. Tape Width
Masonry Block	<i>Kingspan Kooltherm® K8 Cavity Board</i>	3 in / 72 mm
Stud Frame	<i>Kingspan Kooltherm® K12 Framing Board</i>	3 in / 72 mm
Soffit / Structural Ceiling Application	Insulation Products	Min. Tape Width
Soffit Roof/Floor	<i>Kingspan Kooltherm® K10 FM Soffit Board</i>	3 in / 72 mm

Kooltherm® Tape

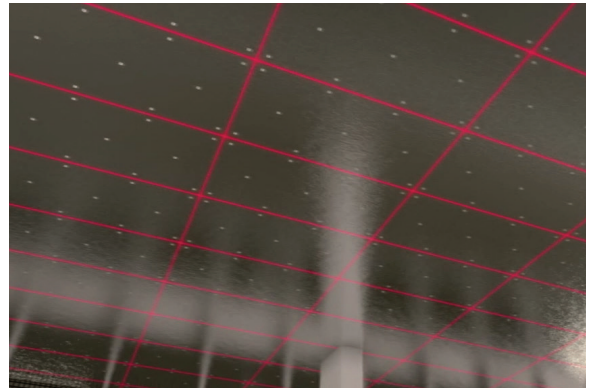
Application of Tape

The surface of the *Kingspan Kooltherm® Insulation Board* to which the tape is being applied should be free of dust, dirt or oils. In any case, the surface should be cleaned with a dry cloth before application of the tape.

The release liner on the tape should be removed 1-2 feet at a time and the adhesive face pressed firmly onto the insulation facing. Care should be taken not to stretch the tape tightly as this will create buckles and voids in the contact area. Care must also be taken to apply the tape over the centre of the joint so that there is adequate area on both sides of the joint for the tape to bond. Uneven width distribution also puts additional shear stress on the smaller side of the butt joint.

The tape should then be wiped firmly from the center out (like wallpaper) with a squeegee tool. The more pressure that is applied, the more surface contact will be reached, therefore, the greater the bond surface.

The tape should then be cut and fitted with a knife or scissors.



For more information on specific building product recommendations, contact your Kingspan Insulation representative.

For the most current product information, go to www.kingspaninsulation.us.

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For the most current installation guidelines and compliance information fo to www.kingspaninsulation.us.



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