Ametalin®

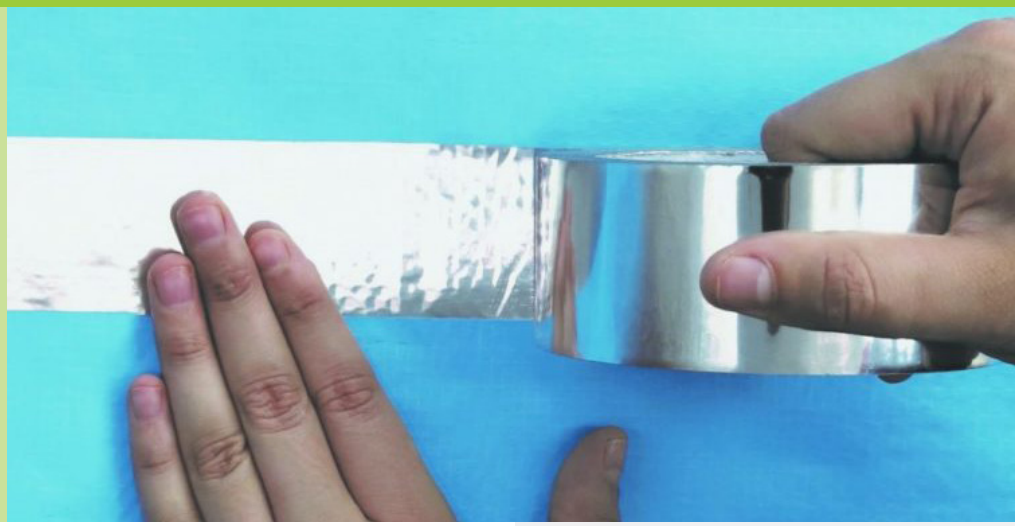
Performance insulation for a greener world

Ametalin Insulation/Ducting Tape

Product Code: IDT-5050

For installing reflective foil insulation and ductwork closure

Ultra-tough with superior adhesion



Ametalin Insulation/Ducting Tape is a premium grade high performance 0.08 mm UV-resistant metallised polyester tape coated with a cold weather acrylic adhesive. Designed with vapour-sealing properties to complement our full range of reflective membranes, it can be used with all roof sarking, wall wraps and floor insulation. It is also ideal for use in HVAC, ducting, and as an all-purpose tape for boating and camping.

Ametalin Insulation/Ducting Tape is easy to apply and provides superior performance and durability over a wide range of temperatures and environmental conditions. It will not delaminate with age.

Features and Benefits

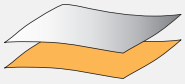
- UV resistant
- Superior strength and flexibility
- Hand tearable
- Will not break down or delaminate over time
- Vapour sealing, ideal for joining insulation products
- High performance over a wide temperature range: -30°C to +100°C
- Higher adhesion and tack than traditional cloth duct tapes
- Excels in high heat
- Moisture resistance in humid conditions

Material Properties

TEST	TYPICAL VALUE	TEST METHOD
PRODUCT THICKNESS (TOTAL)	80 µm	*PSTC-133/ASTM D 3652*
PEAL ADHESION	15 N/25 mm	*PSTC-101/ASTM D 3330*
TENSILE STRENGTH	95 N/25 mm width	*PSTC-131/ASTM D 3759*
ELONGATION	100%	*PSTC-131/ASTM D 3759*
MINIMUM SERVICE TEMPERATURE	-30°C	
MAXIMUM SERVICE TEMPERATURE	+100°C	
APPLICATION TEMPERATURE	10°C to 40°C	

Typical values are not intended to be used for specification development. Technical data is believed to be true and accurate; Ametalin recommends that the purchaser test for fitness of use in all applications. Application surface must be clean, dry and free of oil and other contaminants. Apply pressure with plastic squeegee, ensuring that all contours are followed.

Construction



- Metalised Polyester (MPET)
- Acrylic PSA

Dimensions

48 mm x 50 m

Handling and Storage

Store this product in a clean, dry place out of direct sunlight.

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Tape Application

1. Ensure that the surfaces to be adhered to are clean, dry and free from oil and other contaminants.
2. Ensure tape is centred on the join.
3. Apply tape, ensuring that the maximum surface contact is achieved by allowing the tape to conform to contours in the product. Apply firm pressure with squeegee as you apply the tape.
4. For thicker foam core products such as Ametalin ThermalBreak®, Ametalin Reinforced Insulation/Ducting Tape is recommended and should be applied as deeply as possible into the perpendicular angle.
5. Whenever possible, apply tape to joins that have a firm backing (e.g. studs or rafters) to achieve maximum application pressure. If this is not possible, then provide support from behind with short pieces of steel studs or timber.
6. Taping of joins is a method of sealing joins only, and is not a suitable substitute for mechanical fixing in situations where there may be stress or pressure on the join (e.g. wind loading, etc.). In such cases, a more secure method of securing the join must be considered.

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Durability may be affected by environmental factors, including chemical and airborne pollutants, if used in industrial or farm buildings.
Australian designed for Australian conditions. Ametalin 9-11 Playford Crescent, Salisbury North SA 5108 T: +61 8 8285 6955 F: +61 8 8285 5911 E: info@ametalin.com
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