



EXTREME HIGH PERFORMANCE DUCTING TAPE

Product Code: IDT-5050 | I/N: 0810227

ametalin™ Insulation/Ducting Tape is a premium grade high performance 3.2-mil (80 µm) UV-resistant metalised 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.

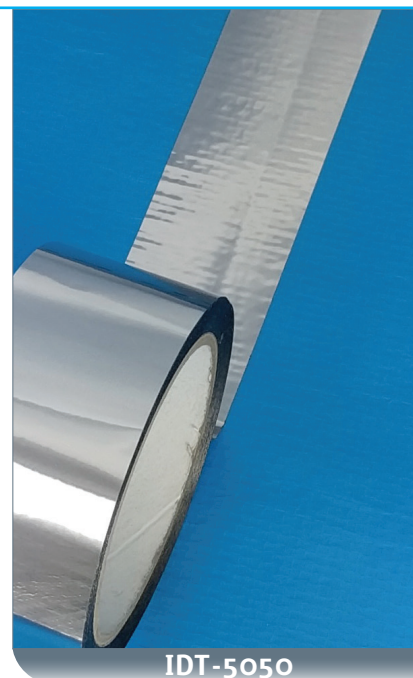
ametalin™ Insulation/Ducting Tape is easy to apply and provides superior performance and durability over a wide range of temperatures and environmental conditions. It will not delaminate with age.

Construction



Features and Benefits

- ✓ UV and fire 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



IDT-5050

TEST	TYPICAL VALUE	TYPICAL VALUE (Metric)	TEST METHOD
PRODUCT THICKNESS (TOTAL)	3.2 mils	80 µm	PSTC-133/ASTM D 3652
ADHESION TO STEEL	54 oz/in	15 N/25 mm	PSTC-101/ASTM D 3330
TENSILE STRENGTH	21.6 lb/in width	95 N/25 mm width	PSTC-131/ASTM D 3759
ELONGATION	100%	100%	PSTC-131/ASTM D 3759
MINIMUM APPLICATION TEMPERATURE	-22°F	-30°C	
MAXIMUM CONTINUOUS TEMPERATURE	+212°F	+100°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.

Product Configurations

ametalin™ Insulation/Ducting Tape is available in: 48 mm x 50 m

DTE-43313-25

AUSTRALIAN DESIGNED, AUSTRALIAN OWNED.

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Manufacturers of building membranes | insulation products | flexible packaging



Tape Application

1. Install Ametalin products as per installation instructions on relevant product Technical Data Sheets. Pay particular attention to regulatory product overlaps.
2. Ensure surfaces to be adhered to are clean, dry and free from oil and other contaminants.
3. Ensure tape is centred on join.
4. Apply tape, ensuring that the maximum surface contact is achieved by allowing tape to conform to contours in product. Apply pressure with squeegee as you apply tape.
5. For thicker foam core products such as Ametalin ThermalBreak 8™, 72 mm Ametalin Reinforced Insulation/Ducting Tape is recommended and should be applied as deeply as possible into the perpendicular angle. (Refer to Figure 1.)
6. Whenever possible, apply tapes 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.
7. 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.
8. Store tape in a clean, dry place out of direct sunlight.

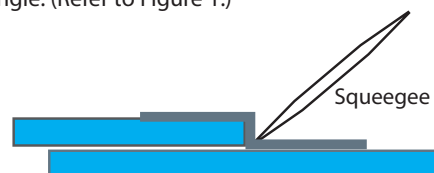


Figure 1.

Recommended Tape Applications

APPLICATION	AMETALIN PRODUCT	TYPE OF JOIN	PRODUCT CODE
ROOFING			
RESIDENTIAL	SilverSark® SilverSark® xR	- 150mm overlap un-taped - 150mm overlap and taped if vapour control - 50mm overlap and taped to exterior face	IDT-5050
RESIDENTIAL AND COMMERCIAL	Ametalin ThermalBreak™ Range ThermalBrane™ Range SilverSark® SilverSark® xR	- 150mm overlap un-taped - 150mm overlap and taped if vapour control - 50mm overlap taped to exterior face - Jointing of lengths to be 600mm overlap and taped if vapour control	IDTR-7250
RETROFIT	SilverSark® SilverWrap™	- 150mm overlap un-taped - 150mm overlap and taped if vapour control - 50mm overlap taped	IDT-5050
	Ametalin ThermalBreak™ Range ThermalBrane™ Range Brane® VHP	- Butt joint and tape - 150mm overlap un-taped - 150mm overlap and taped if vapour control - 50mm overlap taped to exterior face	IDTR-7250
WALLS AND GABLES			
BRICK VENEER CONCRETE BLOCK PRECAST	SilverSark®/SilverWrap™	- 50mm overlap taped to exterior face	IDT-5050
	Ametalin ThermalBreak™ Range ThermalBrane™ Range Brane® VHP	- 50mm overlap taped to exterior face	IDTR-7250
CLADDED STUD REVERSE BRICK VENEER	SilverSark®/SilverWrap™ SilverSark® xR SilverSark® Breather	- 50mm overlap taped to exterior face	IDT-5050
	Ametalin ThermalBreak™ Range ThermalBrane™ Range Brane® VHP	- 50mm overlap taped to exterior face	IDTR-7250
WAREHOUSE METAL CLADDING	SilverSark®/SilverWrap™	- Butt joint taped - 50mm overlap taped to exterior face	IDT-5050
	Ametalin ThermalBreak™ Range ThermalBrane™ Range Brane® VHP		IDTR-7250
RETROFIT		- Butt joint and tape to exterior face	IDTR-7250
FLOORS			
SUSPENDED FLOOR	SilverFloor 1500™ SilverFloor 1200™ SilverFloor 500™	- 150mm overlap un-taped - 50mm overlap taped to exterior face	IDT-5050
	Ametalin ThermalBreak™ Range ThermalBrane™ Range	- 150mm overlap un-taped - 50mm overlap taped	IDTR-7250