

Kooltherm

K10 FM Soffit Board



Kingspan Kooltherm[®] K10 FM Soffit Board is a super high performance, fibre-free rigid thermoset phenolic insulation core, sandwiched between an upper tissue-based facing and a lower facing of highly reflective aluminium foil adhesively bonded to the insulation core during manufacture. Kingspan Kooltherm[®] K10 FM Soffit Board is manufactured without the use of CFCs/HCFCs and has zero Ozone Depletion Potential (ODP) and low Global Warming Potential (GWP).

Kooltherm[®] K10 FM Soffit Board is suitable for:

- *Roof Insulation- Flat concrete Roof*
- *Floor Insulation- Concrete Floor Soffit*



INTRODUCTION

ICCONS GTIXF-160C Compact Gas Nailer is a light weight tool designed for the fastening of insulation from 25mm to 120mm.

Features:

- Gas Operated
- Quick and easy insulation fixing
- Quiet
- No License
- Light weight Tool
- Not suitable for fire rated applications

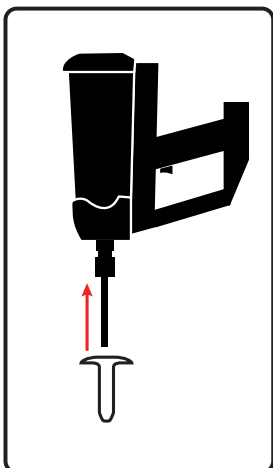


Part No.	Description		mm		qty	qty		
GTIXF160C		Gas Insulation Tool			1	n/a		
GT-IXF-24+		Fuel cell for GT160C			1	n/a		
	White	Black	Grey					
GTIF025	GTIFB025			For 25mm Insulation	25	60	50	1000
GTIF030				For 30mm Insulation	30	60	50	1000
GTIF035				For 35mm Insulation	35	60	50	1000
GTIF040	GTIFB040			For 40mm Insulation	40	60	50	1000
GTIF050		GTIFG050		For 50mm Insulation	50	60	50	900
GTIF060				For 60mm Insulation	60	60	50	800
GTIF075	GTIFB075			For 75mm Insulation	75	60	25	600
GTIF080				For 80mm Insulation	80	60	25	600
GTIF090				For 90mm Insulation	90	60	25	600
GTIF100				For 100mm Insulation	100	60	25	500
GTIF120				For 120mm Insulation	120	60	25	400

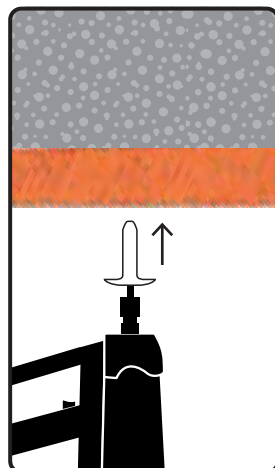
Performance in Concrete 15-50MPa	Min.Spacing (mm)	Min. Edge (mm)	Recommended Resistance (Tensile)
GTIF Insulation Fasteners - all sizes	100	100	0.15 kN (15kg)

1. For cut or modified panels it is recommended a minimum of 4 fixings per m²
 2. Recommended Resistance is calculated from the characteristic ultimate load with safety factor greater than ≥ 3
 3. Not suitable for fire rated applications

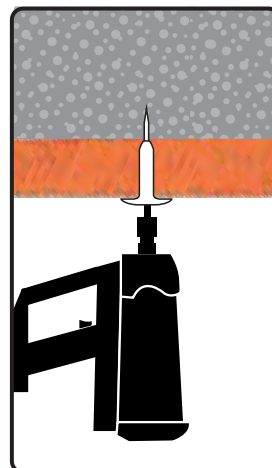
GTI-140C GAS INSULATION TOOL



Select the correct size fixing suited to the insulation thickness. Then place fixing onto nose piece of tool.

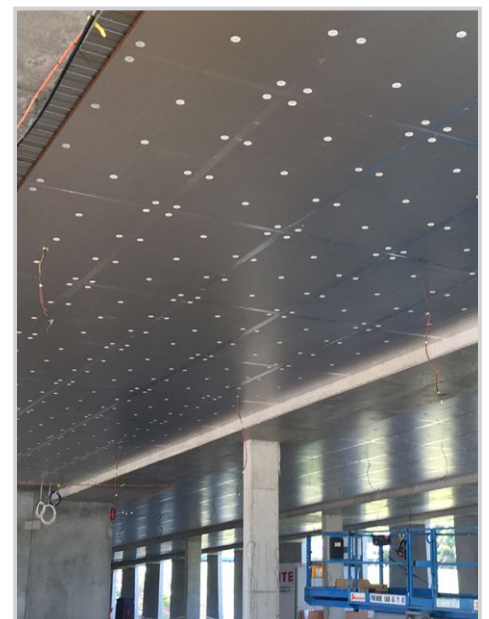


Push fastener through board until head is flush with the board



Press trigger of tool to fasten nail into base material - fixing complete.

Refer to ICCONS® Document 4001.1 Insulation fastener Installation Instructions for complete details



Insulation Thickness



Inner carton qty



Outer carton qty



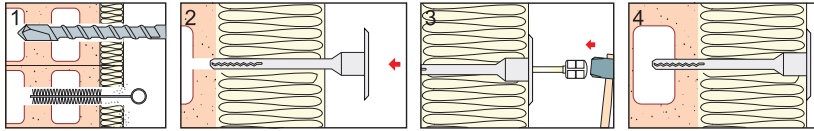
Fastener head dia.

FRULSIDER FM-ISO MAX Insulation Nails



Polypropylene Plug With Steel Nail

- **Fixing with steel nail for all thermal insulation applications**
Concrete, solid brick, honeycomb brick, cell like clay brick, lightweight honeycomb brick, hollow dense aggregate block, hollow light aggregate block, aerated concrete and solid stone. **Not suitable for fire rated applications**



ETA-08/0094
European Technical Approval



Part No.	Description	mm	mm	mm	mm	qty
FM-ISOMAX08100 (6192500810000)	8 x 100mm Thermal insulation system	8	55	25-45	60	200
FM-ISOMAX08120 (6192500812000)	8 x 120mm Thermal insulation system	8	55	45-65	60	200
FM-ISOMAX08140 (6192500814000)	8 x 140mm Thermal insulation system	8	55	65-85	60	200

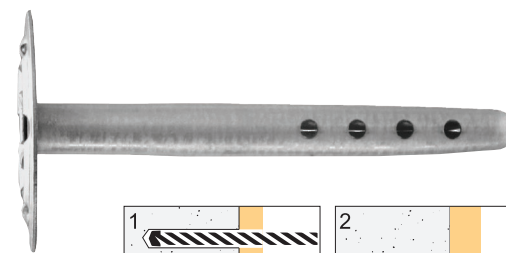
Note: Suitable for applications exposed to external wind pressures, in such applications additional fixings may be required, this should be assessed by a design professional responsible for the application in accordance with the appropriate Australian wind load standards.

Performance in Concrete 15-50MPa

	Min.Spacing (mm)	Min. Edge (mm)	Recommended Resistance (Tensile)
FM-ISOMAX Insulation Fasteners - all sizes	100	100	0.13 kN (13kg)

1. For cut or modified panels it is recommended a minimum of 4 fixings per m²

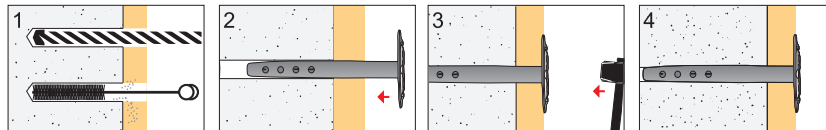
2. Recommended Resistance is calculated from the characteristic ultimate load with safety factor greater than > 3



TOGE TID METAL Insulation Nail

- **Galvanised insulation panel fixing**

Concrete, solid brick, aerated concrete and solid stone.



Certified
Fire Resistance



Part No.	Description	mm	mm	mm	mm	qty
TIDSMETAL08080 (031 061 080)	8 x 80mm Metallic insulation panel fixing	8	40	20-40	35	250
TIDSMETAL08110 (031 061 110)	8 x 110mm Metallic insulation panel fixing	8	40	50-70	35	250
TIDSMETAL08140 (031 061 140)	8 x 140mm Metallic insulation panel fixing	8	40	75-100	35	250

Note: Suitable for applications exposed to external wind pressures, in such applications additional fixings may be required, this should be assessed by a design professional responsible for the application in accordance with the appropriate Australian wind load standards.

Please refer to insulation manufacturer instructions for fastener suitability.

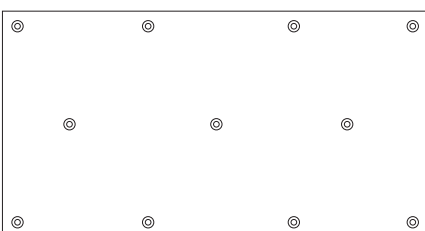
Suitable for fire rated applications, product should be reviewed and approved by a design professional responsible for the application prior to use.

Performance in Concrete 15-50MPa

	Min.Spacing (mm)	Min. Edge (mm)	Recommended Resistance (Tensile)
FM-ISOMETAL Insulation Fasteners - all sizes	100	100	0.28 kN (28kg)

1. For cut or modified panels it is recommended a minimum of 4 fixings per m²

2. Recommended Resistance is calculated from the characteristic ultimate load with safety factor greater than ≥ 4



Kingspan Kooltherm® K10 FM Soffit Board should be fully restrained to a concrete soffit by the use of minimum 11 No. approved insulation fasteners with a minimum head diameter of 35 mm.

1. The fasteners should be evenly distributed over the whole area of the board and must offer a minimum embedment equal to or greater than the specified fixing embedment into the concrete substrate. Alternatively, a designer can calculate the required design strength to identify a suitable embedment for the design loading.
2. The fixing layout should include 4 fasteners along each length, no less than 50 mm and no more than 150 mm from edge of board. 3 fasteners are also required through the middle (offset from edge positions as per diagram).
3. Where the board may be subject to external wind pressure, the requirement for additional fixings should be assessed by a design professional responsible for the application in accordance with appropriate Australian wind load standards.
4. Careful selection of fixings should be given to ensure they are appropriate for the application, base material, environmental exposure and applicable fire ratings. For further assistance please contact ICCONS or the responsible design engineer.



ANCHORING



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NATIONAL CODE COMPLIANT

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