

## PRE INSTALLATION GUIDE NOTES

This installation guide complies with the wall and ceiling lining test requirements as specified in :  
ISO 9705:2003 (R 2016)  
AS 5637.1:2015

The following is a nominated install system, with 3 components that were used in the 'as built' test environment. The full system was tested at Warrington Fire RTF190047. The PIRMAX ISO3 SYSTEM must be installed in accordance to this test.

The system comprises of the following:

- ◆ PIRMAX ISO3 panels
- ◆ HILTI X-IE 6 insulation fastener
- ◆ PIRMXISO3 (75mm, 96mm) AFC 1573-0075 embossed foil tape

## INSTALLATION CONSIDERATIONS

Fire collars and further panel penetrations are NOT part of the PIRMAX ISO3 system, and must be maintained and installed with clearances, in accordance with the installation guide that accompanies the fire collars and services.

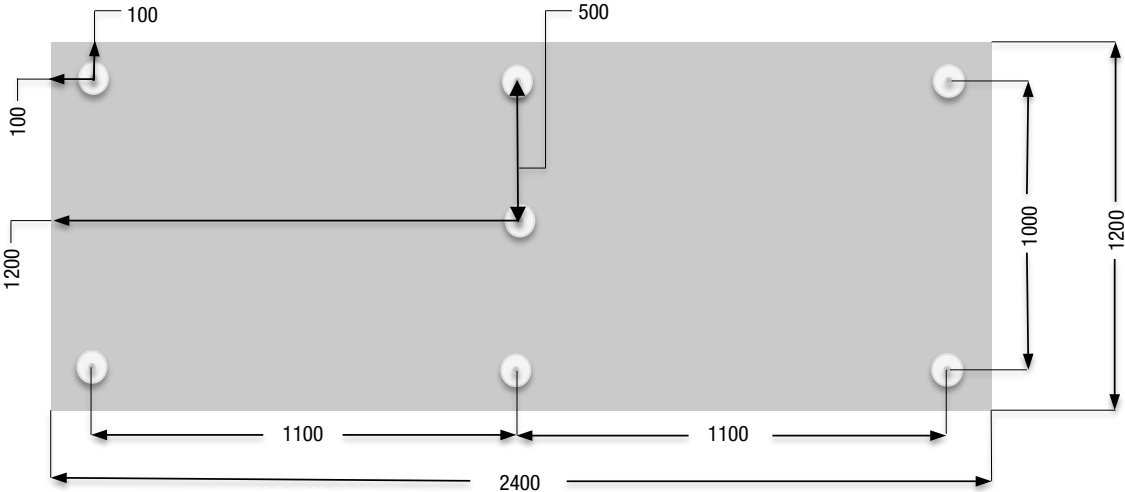
## DIRECT FIXING TO WALLS, CEILINGS AND SOFFITS

### 1. PIN PLACEMENT FOR CEILINGS AND SOFFITS

The Panel should be fixed with 7x HILTI X-IE 6 fasteners.  
The 7 fastener configuration is based on 1200mm x 2400mm panels.

For smaller or larger panels you must ensure that the fasteners are installed 100mm from the start. 100mm from the end, and the side of the board on both sides. Please refer to diagram.

The maximum distance between each fastener can be placed is 1100mm from the placement of the beginning of the corner fastener.



A fastener should be placed in the centre of the panel at the beginning of the install. This will take the weight of the panel making it easier to fix the remaining fasteners.

The HILTI X-IE 6 fasteners must be installed at a 90deg angle. This will ensure a flush placement of the fastener on the PIRMAX ISO3 board.

### DIRECT FIXING TO WALLS, CEILINGS AND SOFFITS

#### 1. PIN PLACEMENT FOR WALLS

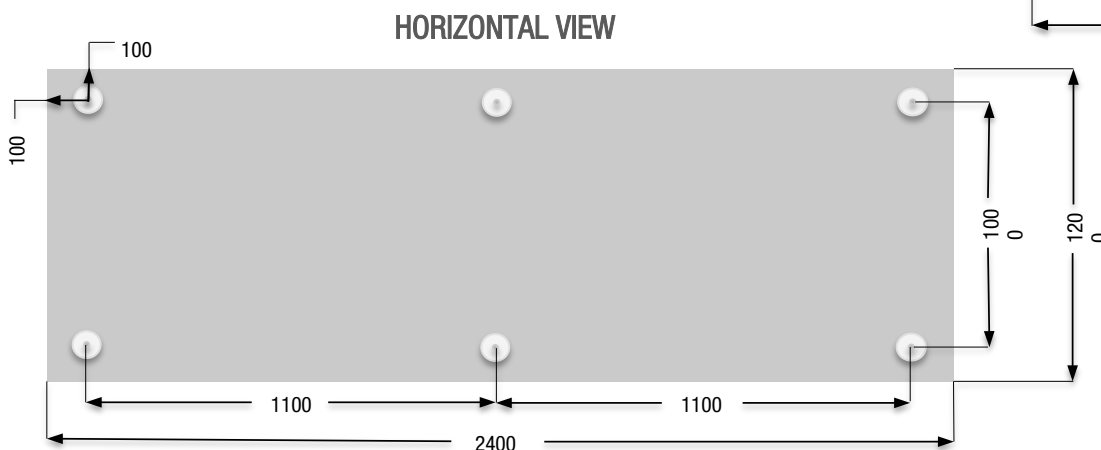
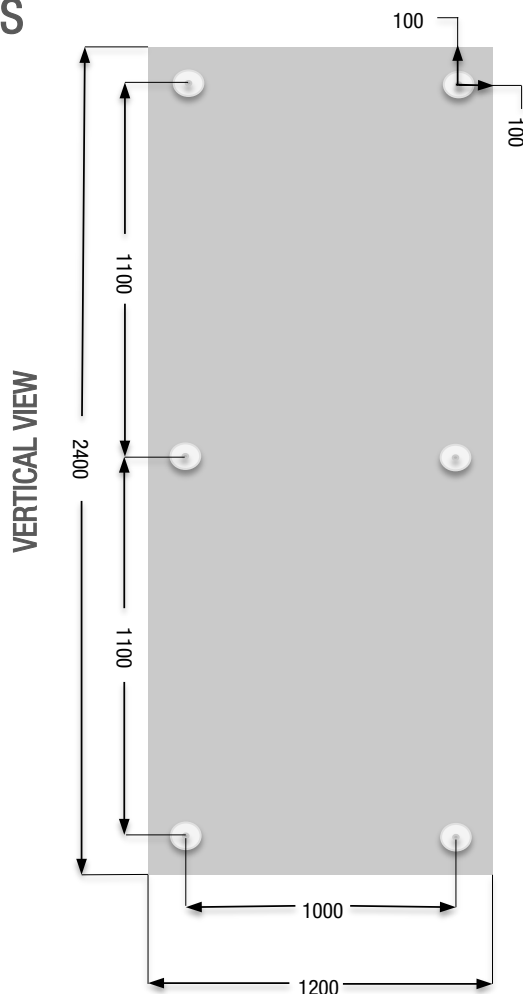
The Panel should be fixed with 6 x HILTI X-IE 6 fasteners.

The 6 fastener configuration is based on 1200mm x 2400mm panels.

For smaller or larger panels you must ensure that the fasteners are installed 100mm from the start. 100mm from the end, and the side of the board on both sides. Please refer to diagram.

The maximum distance between each fastener can be placed is 1100mm from the placement of the beginning of the corner fastener.

The HILTI X-IE 6 fasteners must be installed at a 90deg angle. This will ensure a flush placement of the fastener on the PIRMAX ISO3 board.

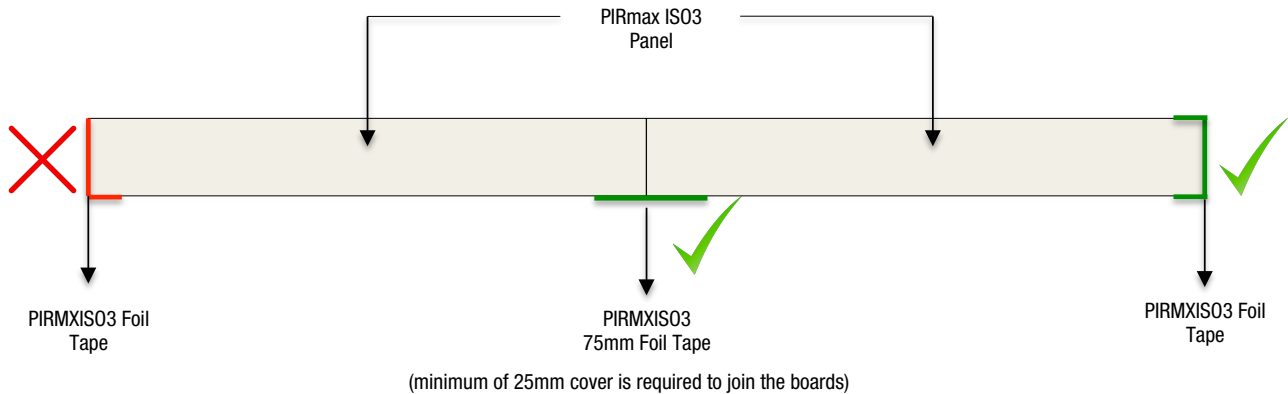


## DIRECT FIXING TO WALLS, CEILINGS AND SOFFITS

### 2. TAPE APPLICATION PIRMXISO3 AFC 1573-0075 EMBOSSED ALUMINIUM TAPE

Once the panel is fastened, attention must be given to the correct application of the PIRMXISO3 AFC 1573-0075 embossed aluminum tape.

1. The surface to which the PIRMXISO3 foil tape is to be adhered to, should be free of oils, dust and dirt. So generally, the surface should be cleaned with a clean dry cloth before applying the adhesive tape.
2. However, if surface appears dirty and in doubt, then a good scrub with a 50:50 mixture of isopropyl alcohol (IPA) and water will do. (50 IPA + 50 Water = mixture)
3. It is crucial, that when applying PIRMXISO3 (foil tape), please ensure that there is adequate tape cover adhering on the PIRMAX ISO3 Panel foil facing.

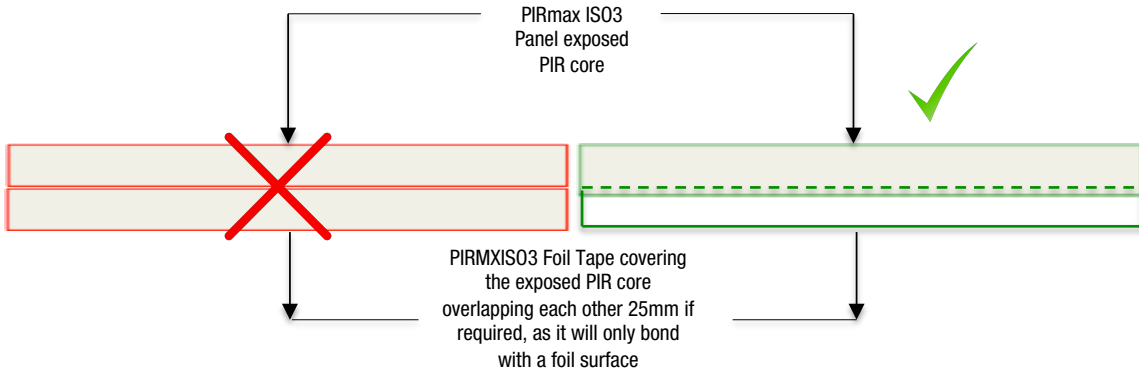


4. When seaming centre joins, there must have equal tape cover of 25mm (minimum) on each edge using the PIRMXISO3 75mm Foil Tape.

5. When seaming the end/edges on PIRMAX ISO3 Panel, the PIRMX foil tape must be wrapped around the ends with a 25mm (minimum) tape cover **top and bottom** facing of the PIRMAX ISO3 facing edge.

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### 2. TAPE APPLICATION PIRMXISO3 AFC 1573-0075 EMBOSSED ALUMINIUM TAPE



Note: The PIRMXISO3 Foil Tape will not stick to the exposed PIR core, therefore when ensuring that the 25mm cover top and bottom of the panel is achieved, it is just as important to ensure that the tape used to join these edges on the exposed PIR core, also overlaps 25mm for full encapsulation of the exposed core of the PIRMAX ISO3 Panel.

6. Once the tape is applied to the PIRMAX board facing, using the white plastic applicator supplied, firm amount of pressure must be applied to the foil tape to achieve sufficient wet-out onto the PIRMAX ISO3 Panel. This sufficient pressure will provide adequate adhesion. Remember, wetting out is required to form a strong bond. The more pressure is applied, the more surface contact will be reached.

## DIRECT FIXING TO WALLS, CEILINGS AND SOFFITS

### PIRMAX ISO3 PANEL AND HILTI X-IE 6 SIZE COMBINATIONS

PIRMAX ISO3 Panel Thickness	HILTI X-IE 6 Fastener length
ISO3-Panel 20mm	20mm
ISO3-Panel 25mm	25mm
ISO3-Panel 30mm	30mm
ISO3-Panel 35mm	35mm
ISO3-Panel 40mm	40mm
ISO3-Panel 50mm	50mm
ISO3-Panel 60mm	60mm
ISO3-Panel 70mm	70mm
ISO3-Panel 75mm	75mm
ISO3-Panel 80mm	80mm
ISO3-Panel 90mm	90mm
ISO3-Panel 100mm	100mm



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