

SUMMIT XPS

NAIL-UP CEILING INSTALLATION



TYPICAL USES

- Residential buildings, school projects and office developments
- Retail & commercial developments

APPLICATION GUIDELINES

- Choose either smooth board with bevelled edge or pine-groove finish.
- Run Summit XPS insulation board from wall to wall, avoiding butt joints.
- Fit brandering at maximum 700mm centre to centre, and fit perimeter brandering around the room.
- Always use summit XPS adhesive, recommended screws and concealed clips.
- Ensure that planned lighting is compatible with Summit XPS insulation board.
- Paint Summit XPS insulation board with two coats of a good-quality water-based matt PVA paint to prevent discoloration.
- For sound insulation, overlay Summit XPS insulation board with fibrous acoustic insulation.

IMPORTANT NOTES

- Summit XPS insulation board is fixed to the brandering with adhesive and concealed fixing clips.
- Drywall/chipboard screws with washer should be used on the perimeter, where cornices will be installed.
- Summit XPS adhesive coverage is approximately 30m² per litre
- Clip usage is three per square metre.
- Summit XPS insulation board can be retrofitted below an existing ceiling to cover damage, provide insulation or change the appearance. It can also be fixed below a concrete soffit by fitting the brandering below the soffit (or other ceiling) to allow for rough or sagging surfaces.
- To fix Summit XPS insulation board between existing trusses, rafters and brandering, the recommended screws, clips and adhesive should be used, as for nail-up ceilings.

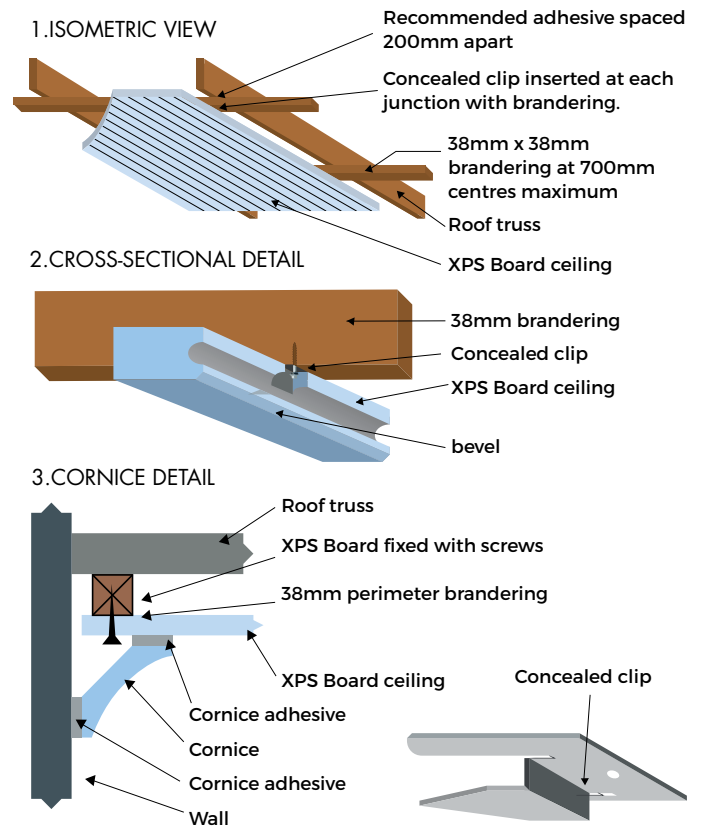
NAIL-UP INSULATION RECOMMENDED INSTALLATION

INSTALLATION GUIDELINES

1. Fit timber or steel branderings at maximum 700mm centre to centre, transversely to the trusses, as well as around the perimeter of the room. For truss spacing exceeding 750mm and for high wind - load areas, reduce the branderings centre to centre spacing.
2. Fix initial panel to perimeter branderings with drywall screws and washers at 300mm intervals, so they can be concealed by the cornices.
3. Summit XPS insulation board sheets must be of sufficient length to span the branderings without butt jointing. Trim the boards on site, allowing for a 5mm gap to each wall.
4. Apply 5ml drops of recommended adhesive along the branderings, at 200mm intervals.
5. Break out top of the groove at each intersection of the board edge and branderings to fit a concealed clip into the edge of the Summit XPS insulation board. Screw or pop rivet clip into branderings, pressing upwards to ensure adhesive contact. (refer to detail 2. Cross sectional detail)
6. Fit subsequent Summit XPS insulation boards, using the tongue-and-groove joints.
7. Trim the final board and fit to complete the installation.
8. Fit Summit XPS cornice of your choice.
9. Sand the grooves lightly, and fill any indentations with plasterkey and crack filler paste.
10. Wipe all surfaces clean of excess paste.
11. Finish with two coats of good-quality water-based matt PVA paint. The first coat should be an acrylic filler coat to cover minor surface indentations and imperfections.

CARE AND MAINTENANCE

- Use only water-based cleaners, adhesive and paint.
- **Contact with ANY solvent or solvent-based product will damage Summit XPS insulation board.**
- If installing Summit XPS insulation board under eaves and on verandas, halve the branderings spacing and double the number of clips/screws and adhesive fixing points to accommodate wind and air-pressure differences.
- In external installations, paint to prevent discoloration.



LIGHTING AND SUMMIT XPS BOARD

- Lamp fixtures fixed through Summit XPS insulation board should be fitted with bulbs that generate temperatures of no more than 70°C. Above this temperature, Summit XPS insulation board will soften and retract from the heat source.
- Fluorescent lamp holders (with fitted ballast) should be spaced approximately 3mm away from Summit XPS insulation board using washers, and fixed to the supporting branderings or trusses.
- Lightweight LED lights preferable for Summit XPS insulation board.
- Heavier light fittings should always be hung from timber that's fixed above the Summit XPS insulation board.
- Energy-saving bulbs should be used when installing lamp fittings in close proximity to Summit XPS insulation board.
- Downlighter lamp fittings should be swivel-type, with energy-saving or LED bulbs.
- For 12V installations, transformers should be positioned off the board on battens/trusses, and 200mm away from the lamp fittings. A minimum of 150mm space is required above Summit XPS insulation board for sufficient ventilation.