SUMMIT XPS

OVER TRUSS/OVER RAFTER INSULATION

TYPICAL USES

- Insulated pitched roofs in residential housing, community housing and office space

APPLICATION GUIDELINES

- Summit XPS insulation board can be installed over trusses to create an exposed truss finish. Choose either plain/smooth board, beveled edge or pine-finish board.
- The boards should be laid horizontally in long lengths, beginning and ending on a truss or rafter.
- For over truss installation, the top chords of the trusses must be braced below the Summit XPS insulation board, in accordance with the architect/roofing engineer's specifications, to prevent lateral deflection under load. **NB:** Battens and purlins fixed above Summit XPS insulation boards do not provide the necessary lateral restraint to the top chord truss members.
- For installation under battens or purlins, Summit XPS insulation board should be secured with recommended screws that are fixed through the purlins. Pre-drilling guide holes will ensure that screws are centred correctly over the truss or rafter. The screws will provide adequate resistance to uplift forces.
- Battens/purlins and top chord truss members should be SA pine, Grade 4 or higher.
- The minimum width of a top chord is 50mm.
- Summit XPS insulation board is a thermal insulator, and should not be used in isolation as a sound barrier. If fitted below steel roof sheeting, a layer of acoustic insulation can be installed over the boards to help dampen weather noise.

There are certain limitations when it comes to the spacing of the battens/purlins and trusses. These are dependent on roof covering, and ensure that the compressive bearing pressure of Summit XPS insulation board is not exceeded. Please consult the Swartland website or one of our representatives for more information.

Est. 1951 SWARTLAND EXPERIENCE QUALITY

Johannesburg (011) 801 3800
Cape Town (021) 933 5556
Centurion (012) 653 6399
East Rand (011) 397 8448

Durban (031) 700 2110
Port Elizabeth (041) 367 2874
Nelspruit (013) 753 2176
www.summitxps.co.za

SUMMIT ABOVE EXPECTATIONS

RECOMMENDED OVER TRUSS/OVER RAFTER INSTALLATION INSTRUCTIONS

INSTALLATION GUIDELINES

1. Fix double – sided tape to the trusses to prevent the boards from moving during installation

2. Pre – drill guide holes in the battens/purlins before fixing

3. Lay summit XPS insulation boards horizontally across trusses, always beginning and ending on a truss or rafter, and ensuring that the butt-joints are over the truss top coards

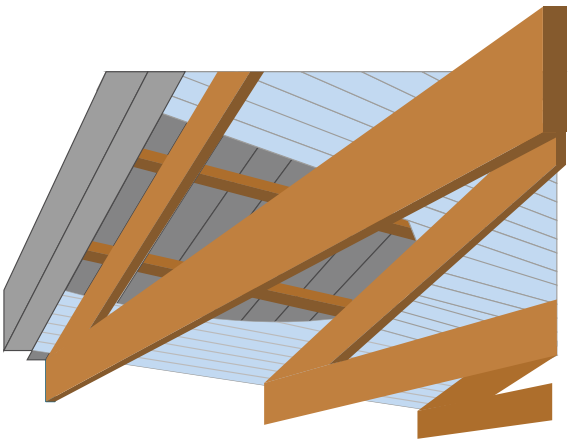
4. Place counter batten above each truss or rafter, running along the truss top chord. This will secure Summit XPS insulation board and prevent uplift. Secure counter batten through the board into the rafter below with recommended screws at 300mm intervals. Do not over – tighten the screws, as this may cause the boards to deflect.

5. Place battens/purlins over Summit XPS insulation boards at required centers on top of the counter batten, secure with recommended screws into counter battens (on top of the board)

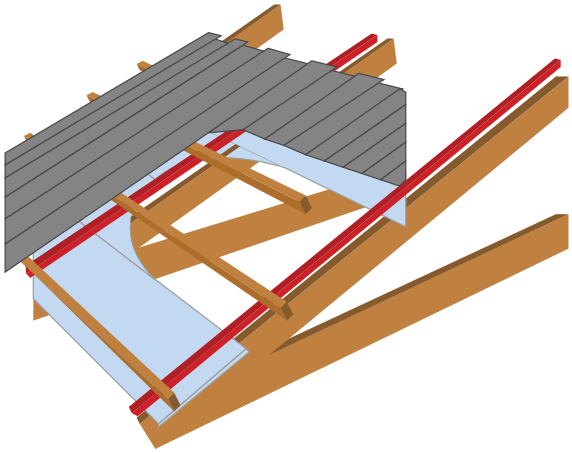
6. Ensure that all screws are centered

7. Brace truss top chords to prevent lateral deflection as per architect/roofing engineer's specification

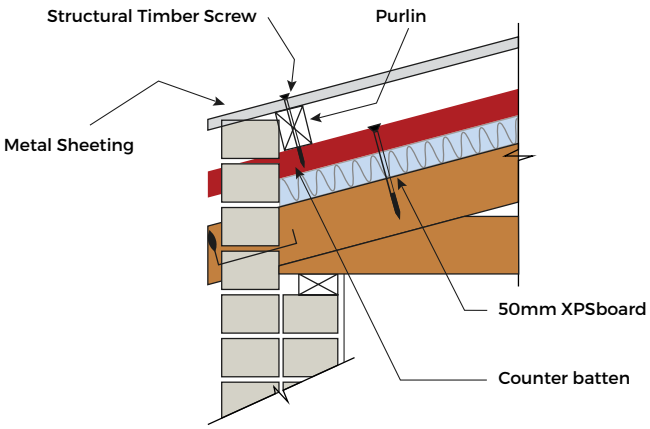
8. Paint the visible surface of Summit XPS board with two coats of good quality water – based matt PVA paint (this can also be done prior to installation – install mineral wool sound insulation above the Summit XPS insulation board if required.



XPS board over truss installation viewed from beneath, including additional top-chord bracing as required by the truss designer.



Installed over trusses, with additional top-chord bracing revealed under the XPS board.



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