

WARMFASTTM

Fixing and Vapour Barrier

Fitting Guide



Storage of Warmdex Boards

The polythene packaging of Warmdex should not be considered adequate for long term outdoor protection. Ideally boards should be stored inside a building. If outside storage cannot be avoided, then the boards should be stacked clear of the ground and covered with polythene sheet or waterproof tarpaulin. Boards that have become wet, they should not be used.

Vapour Barrier

The Warmdex vapour barrier is laid on the metal, plywood or concrete deck. It should be rolled out on the decking, aligned and set in position with overlaps of at least 50mm (80mm allowed in roll width). The barrier should be pressed uniformly into place. Ensure that Warmdex Vapour barrier is full, complete and without gaps, because the vapour barrier is self-sealing any holes /punctures to vapour barrier can be sealed with a patch. All penetrations through the roof structure (such as soil pipes ,vent pipes and skylights etc) must be fully sealed by vapour barrier and not fitted after installation of Warmdex boards.



Metal, plywood or concrete deck with self-sealing vapour barrier

Eaves Board

The purpose of the eaves board is to ensure the load from the roof is applied to the rafters. It must be mounted according to static regulations. Vapour barrier should be below this board/block to ensure integrity of timber.

Warmdex Warm Roof Decking Boards

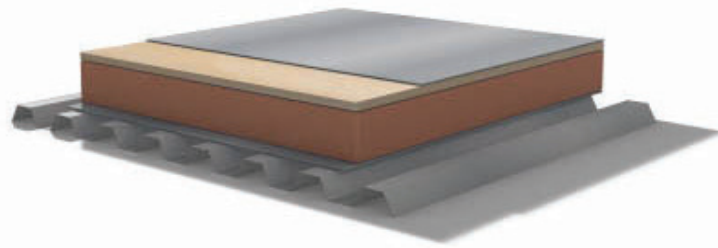
The Warmdex boarding is laid on top of the self-sealing vapour control layer from verge to verge. The overhanging sections of board along each edge must be removed using a saw. Each section of board is fixed using regulated screws (Warmdex or Olympic Fixings) to the substructure. On average, 4 fixings per m² are required but an independent calculation is recommended for each project.



Warmdex Board Fitting

High Quality Breather Membrane

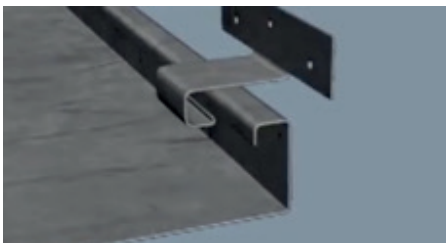
Once the fully insulated Warmdex layer has been laid and fixed, the top skin surface must be covered with a high quality breather membrane (i.e Warmdex breather membrane). This membrane is fixed in place onto the Warmdex insulation boards as per manufacturer's recommendations for laps etc. If roof is being completed in sections, a night joint should be applied each evening to protect the Warmdex board from weather.



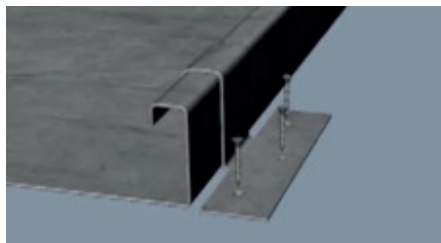
High Quality Breather Membrane

Metal Standing Seam Roof

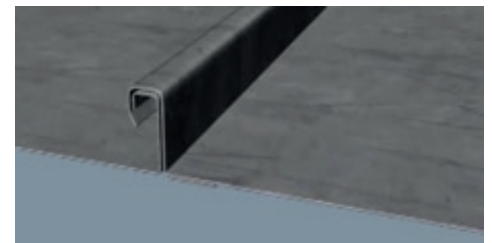
The metal sheets are placed on the membrane and clips are attached to fix it in place. Metal sheets should be attached together using U and L up-stands and then crimped together as per metal manufacturers recommendations.



Attachment of fixing / sliding clips



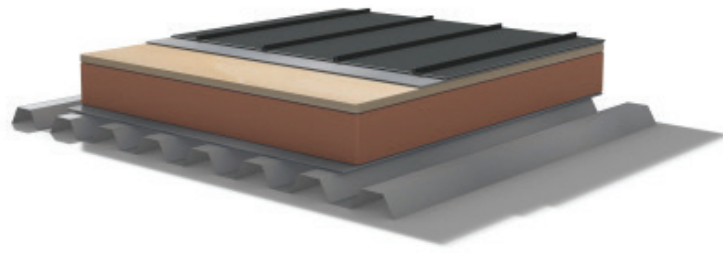
Attaching metal sheet to top-skin of panel using nails or screws



Securing of adjacent metal sheets

Recommendations

Stainless steel clips and nails (or screws) should be used to fix metal sheets to top-skin of WARMDEX. All metal detailing should be carried out as per metal manufacturers recommendations.



Completed WARMDEX warm roof assembly

Ridge

The boards are laid on both sides of the roof meeting at the ridge where they are cut to form a v-shape. The resulting joint is to be filled with in-situ foam. A timber block / structure should then be fixed onto WARMDEX Boards to create upstand for metal ridge detail as per metal manufacturers recommendations (i.e. 60mm).

Gutter Hooks and Eaves Flashing

The eaves flashing covers the whole of the eaves beam to which it must be attached, and serves as a weather bar and also as a flashing to hook roofing panels onto. Eaves flashing should be fitted as per metal manufacturers recommendations paying particular attention to water checks.

Eaves beam should be fitted approx. 5mm thinner than WARMDEX Boards to accommodate eaves flashing. If rafter type gutter hooks are to be used, eaves beam would need to be thinner to accommodate extra thickness of gutter hook.