

No: 23.005

## Intrastack

Saint-Gobain House, East Leake, Loughborough, Leicestershire. LE12 6JU



**Valid Until: 11/03/25**

**Summary:** Category 2 Light Gauge Steel Panelised System wall and roof system with Sheathing Board,

**Limitations:** The use of this system is limited to buildings not exceeding 15 stories, internal linings, insulation between studs and vapour control do not form part of this acceptance (please see table 1 for all elements reviewed and accepted).

### Conditions of Acceptance:

- 1) The SCI Stage 1, ISO 9001 and FPC 1090 certification must remain valid
- 2) A comprehensive full structural design specification and supporting calculations for each house type on the proposed project must be provided by a Chartered Structural Engineer.
- 3) Full details of all claddings and specifications of DPC's, breather membranes, VCLs, sheathing boards, insulation, separating wall details, roof and intermediate floor constructions and positioning of ground floors in relation to the surrounding ground levels must demonstrate compliance with our Technical Manual.
- 4) The manufacturer must confirm how lateral stability will be achieved by the steel frame design. Sheathing boards should not be considered as contributing to the racking resistance of the structure.
- 5) The system must only be used in a 'warm-frame' environment i.e. positioned on the warm side of the insulation.
- 6) A condensation risk analysis should be provided on a site-by-site basis to demonstrate that there is no significant risk of surface or interstitial condensation.
- 7) The system must be positioned at least 150mm above external ground level
- 8) Galvanised strip steel should be designated minimum grade S280GD or 350GD to BS EN 10346. Walls, upper floors and pitched roof framing, should be pre-galvanised in accordance with BS EN 10346 with a minimum 275g/m<sup>2</sup> zinc coating (Z).

- 9) Where used in a coastal location (within 5km of the shoreline); the designer must provide a detailed assessment of the protection and maintenance provisions to be put in place due to the enhanced corrosive environment.
- 10) The use of MgO boards are not acceptable for warranty purposes.
- 11) Compliance with Part B must be assessed on a project specific basis.
- 12) Masonry and other heavy claddings should be laterally restrained by the stud walls, but vertical loads from such claddings require project specific design.
- 13) A drained cavity is provided, minimum width to be in accordance with the Warranty Technical Manual
- 14) A breather membrane is always required to the structural frame
- 15) That site installation of the system is carried out by the certificate holder, or companies under the direct supervision of the certificate holder. Where installation is carried out by third party companies, details of that company must be provided.

**Date:** 11/03/24

**Signed:**

*Sarah Dee Shapland*

Premier Guarantee has awarded this Certificate to the company named above for the product described herein. This product has been assessed by LABC Warranty as being fit for its intended use provided it is installed, used and maintained as set out in the System Acceptance Document and documents provided by the product manufacturer.

This Premier Guarantee Acceptance does not constitute a 3<sup>rd</sup> Party Product Approval from a UKAS Accredited Testing Body or any form of Building Regulation approval. This Premier Guarantee Acceptance is purely to recognize that this system/product can meet our Technical Manual warranty requirements and must not be considered to be anything else.

**TABLE 1**

CONSTRUCTION ELEMENT	PRODUCTS ACCEPTED FOR USE IN SYSTEM
Structure	<p><b>Walls</b> – Light Gauge Steel Grade of steel used is S390GD as per SCI certification with a zinc coating of 275 g/m<sup>2</sup> (stud centres and thickness/dimensions to be determined by structural calculations).</p> <p><b>Floor</b> – Loose Light Gauge Steel joists, size determined by structural calculations (typically at 400mm centres)</p> <p><b>Roof</b> - Light Gauge Steel rafters, size determined by structural calculations. Overclad with TATA Steel Trisomet Insulated sheets, BS5534 25mm x 50mm graded battens.</p>
Sheathing Board	British Gypsum Glassroc X (BBA 17/5453 PS1)
Breather membranes	Proctor Wraptite (BBA 15/5274 PS2)
Cladding System	Wetherby Modular EWI Brick KIWA 18-027-S-A-UK
Windows/Doors	All windows and doors to have suitable third party accreditation and testing
Roof Covering	Britmet Tileform BBA 02/3917
Rooflights	Velux - BBA 08/4608
Floor decking	Outside scope of acceptance – installed on site
Insulation (wall and floors)	Outside scope of acceptance – installed on site
Vapour Control Layer	Outside scope of acceptance – installed on site
Internal linings	Outside scope of acceptance – installed on site