TATA STEEL

TATA

Trisobuild® range at a glance

Site assembled roofing and cladding systems



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Made in the UK at our Shotton site in North Wales, Tata Steel offers a comprehensive range of Trisobuild® systems tailored to meet the requirements of your building specification. Our internal and external profiles offer design flexibility with an offering from 19mm to 60mm deep and a choice of perforated liners for acoustic applications.

Trisobuild® systems can be tailored to meet your design requirements including fire resistance and acoustic performance. All our Trisobuild® systems comprise of a Colorcoat® pre-finished steel trapezoidal liner profile, a spacer system, an insulation layer and a Colorcoat® pre-finished steel external weathering profile.

Manufactured in factory conditions operating to Quality Management standard BS EN ISO 9001:2015 and Environmental Management standard BS EN ISO 14001:2015 with full traceability, all our steel profile components are certified 'Very Good' to BRE's responsible sourcing standard BES 6001.

Platinum® Plus – a guarantee of enduring performance

Platinum® Plus is a system guarantee for up to 30 years, derived from a tailored specification to suit your building function. Our reputable supply chain partners and commitment to responsible sourcing creates an enhanced building envelope system that is robust and proven. Platinum® Plus offers enduring durability and building performance, lowering cost of ownership through the life of the building.

Made unique with our technical support from specification to completion, and beyond – including those all-important final checks during installation. Technical assistance is provided at every stage of the project, with a single point of contact to ensure your specification meets the needs of the building owner. The guarantee is direct with Tata Steel and is fully transferable on change of ownership of the building.

Platinum® Plus covers our roof and wall cladding systems, and combined with our supply chain partners supporting high-quality components means we are able to provide design flexibility and integrity of the overall system from end-to-end.

No-fuss online specification tool

Our online specification builder is super easy to use, complete with 3D product previews and access to our full range of colours, and can be found at www.tatatsteelconstruction.com/specbuilder Manage all your specifications from 'My projects'.

Technical support freely available

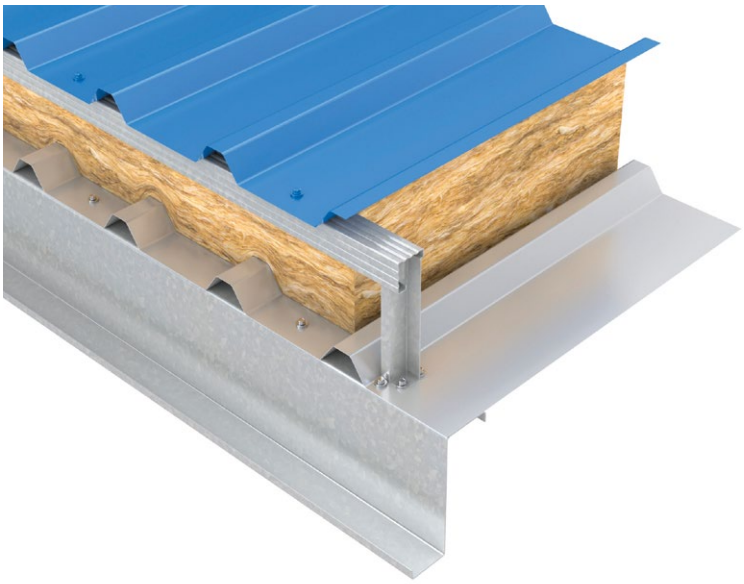
All our products are fully tested by third parties for criteria such as thermal performance, fire safety, air-tightness, and resistance to water penetration. This together with our extensive and unbiased technical support sets us apart. We will recommend the most appropriate system for your project to provide you with a building envelope solution that meets your requirements, performance criteria and is long lasting.

We offer support on:

- Specification writing.
- Detail design.
- Wind and snow load calculations.
- U-value calculation.
- Load span checks.
- Acoustic SRI predictions.
- Building Regulations advice.
- Assistance with SBEM.
- Advice on maximising BREEAM credits.
- Condensation risk analysis.
- Fire performance.

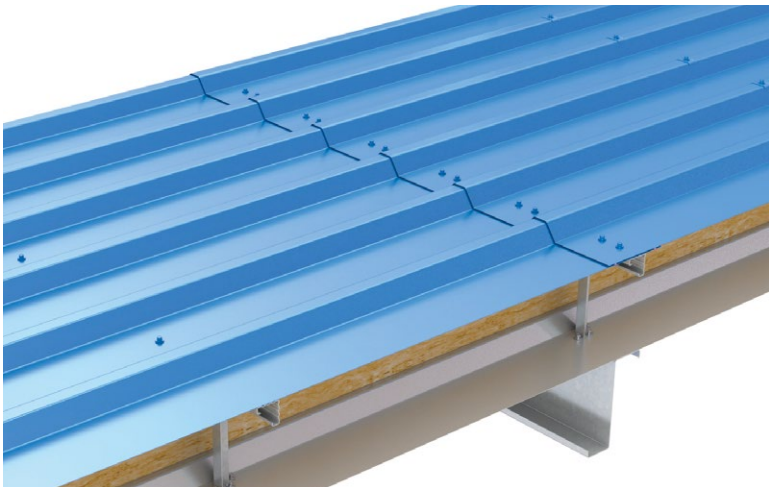


Trisobuild® R and RWL



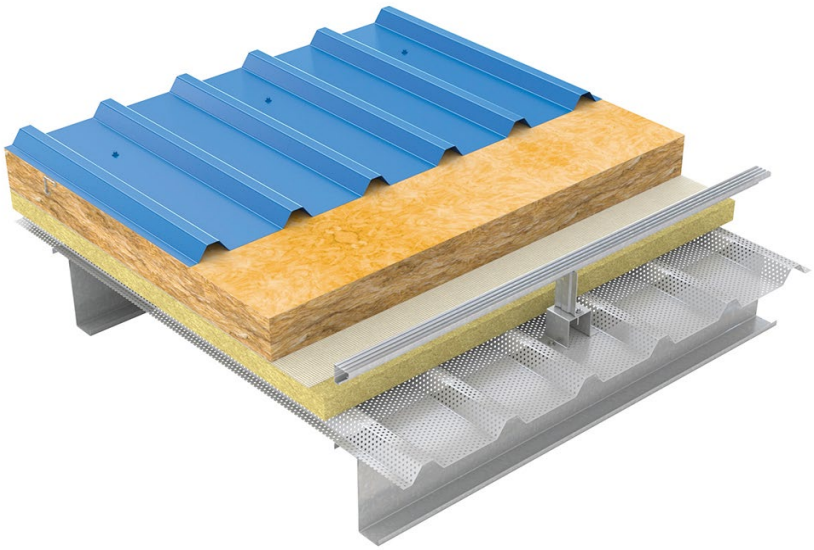
Roof and walkable liner (R and RWL) systems are fully compliant with ACR non-fragility standards. Our roof systems can be adapted to suit a wide range of U-value performances with proven air-tightness that meet and surpass all Building Regulation requirements. Available with a walkable liner option and a range of GRP in plane rooflight options to provide natural diffused daylight into your building.

Trisobuild® CR



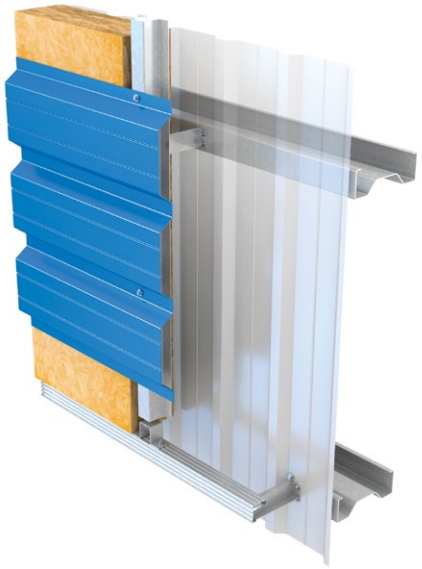
The curved roof (CR) system provides the same flexibility as our standard roof systems, with the addition of enhanced detailing providing proven weather tightness performance down to a naturally curved 40m radii. Advice and specification can be tailored to the project requirements.

Trisobuild® SA



Our range of sound absorption (SA) systems are suitable for roof and wall applications, that can be specified to meet the required acoustic performance standards for your project. Whether you are looking to consider sound reduction, sound absorption or rain noise reduction, our engineers will be able to design a system that meets your needs.

Trisobuild® HW



Horizontal wall (HW) systems include Tata Steel's vertically laid liner on standard horizontal secondary cladding rails. With a spacer system which spans easily between the support points to carry a range of standard horizontally laid external trapezoidal, plank and sinusoidal profiles. These options can be expanded upon using our additional range of special profiles, providing a unique look for any project.

Trisobuild® VW



Vertical wall (VW) systems can be specified with non-combustible components that are available in a range of standard trapezoidal and sinusoidal profiles. The beauty here is that the system can be tailored to your specific requirements, incorporating unique aesthetics using Tata Steel's extensive range of profiles.

Trisobuild® FW



Our Trisobuild® fire wall (FW) systems are unique in offering specifications that will provide fire insulation resistance ratings of 15, 30 and 60 minutes, together with 4 hours fire integrity resistance for all systems. The systems can be specified as vertical or horizontal, they can achieve their declared performance with standard installation methods and do not require internal stitching.

Tata Steel's wide range of Trisobuild® roof and wall cladding systems offer total flexibility. What we show here is only a small selection of our extensive range of built-up profile options that we can provide.

For more information on our full Triosbuild® range, please visit our website or contact:
T: +44 (0) 1244 892199
E: technical.envelopeproducts@tatasteeleurope.com
www.tatasteelconstruction.com

PLATINUM® PLUS SYSTEM GUARANTEE

EPD
THIRD PARTY VERIFIED ISO 14025 & EN 15804

LPCB
LPS1181: Approved 460a 14, 15, 19, 23 & 31

Our sustainable approach

Our comprehensive range of built-up roof and wall systems is the most durable on the market, having achieved the highest sustainability standards including accreditation to BES 6001, the Responsible Sourcing Standard for construction products.



EPDs

As the first manufacturer to become an approved Environmental Product Declaration (EPD) programme operator, Tata Steel now has the ability to create product specific EPDs for our systems that comply with EN 15804 and ISO 14025 standards.

Being able to supply product specific Type III externally verified EPDs, along with BES 6001 responsible sourcing certification, assists our construction supply chains to accrue points under building certification schemes, such as LEED and BREEAM, on their projects.

In addition the level of transparency and reporting afforded by our operatorship of an EPD programme, helps optimum resource decisions to be made and demonstrates the sustainability of steel and our steel building products.

EPD
THIRD PARTY VERIFIED ISO 14025 & EN 15804

BIM: the way you want it

The DNA profiler is the first product data tool of its kind that will allow you to access Tata Steel's product data using a large range of BIM software formats. You can now search for any of our construction products, including the Trisobuild® range of built-up profiles which include roof and wall panels, liner profiles and pressed profiles.

Each of the DNA Profiler's data-rich BIM objects features contact details, mechanical properties, performance characteristics, maintenance requirements and guarantee periods. This powerful resource is free to use and can be found at www.tatasteelDNAprofiler.com

Reaction and resistance to fire

When used as an external wall, Trisobuild® systems using Colorcoat HPS200 Ultra® pre-finished steel as their external finish can be used where B-s3, d2 or equivalent are required in accordance with Table 12.1 (note 2) of the Approved Document B (fire). This allows use in all building types except for 'relevant buildings' as defined in Regulation 7(4). For buildings of this type Colorcoat Prisma® pre-finished steel should be used as the external finish.

Trisobuild® wall systems have been third-party assessed for fire resistance performance and have been shown to provide up to 4 hours fire integrity resistance and 1 hour fire insulation resistance. Detail specifications are available from our Technical Department.

All Trisobuild® roof systems when finished in Colorcoat HPS200 Ultra® pre-finished steel will achieve a $B_{ROOF}(t4)$ in accordance with EN 1187. All Trisobuild® roof systems when finished in Colorcoat Prisma® pre-finished steel are deemed to meet all requirement for roofing without the need to test. This means that all Trisobuild® roof systems can be specified for all roofing applications.

Insurance requirements

Trisobuild® systems can meet the requirements of the insurance based tests and are seen as not contributing significantly to the fire load in the building. Trisobuild® roof and wall systems are approved to LPS1181-1 by the Loss Prevention Council Board (LPCB).

For more information on our full Triosbuild® range, please visit our website or contact:
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Tata Steel UK Limited

Tata Steel
Shotton
Deeside
Flintshire
CH5 2NH
United Kingdom
T: +44 (0) 1244 892199
E: technical.envelopeproducts@tatasteeleurope.com

Tata Steel, Registered Office: 30 Millbank London SW1P 4WY, Registered in England No. 2280000

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