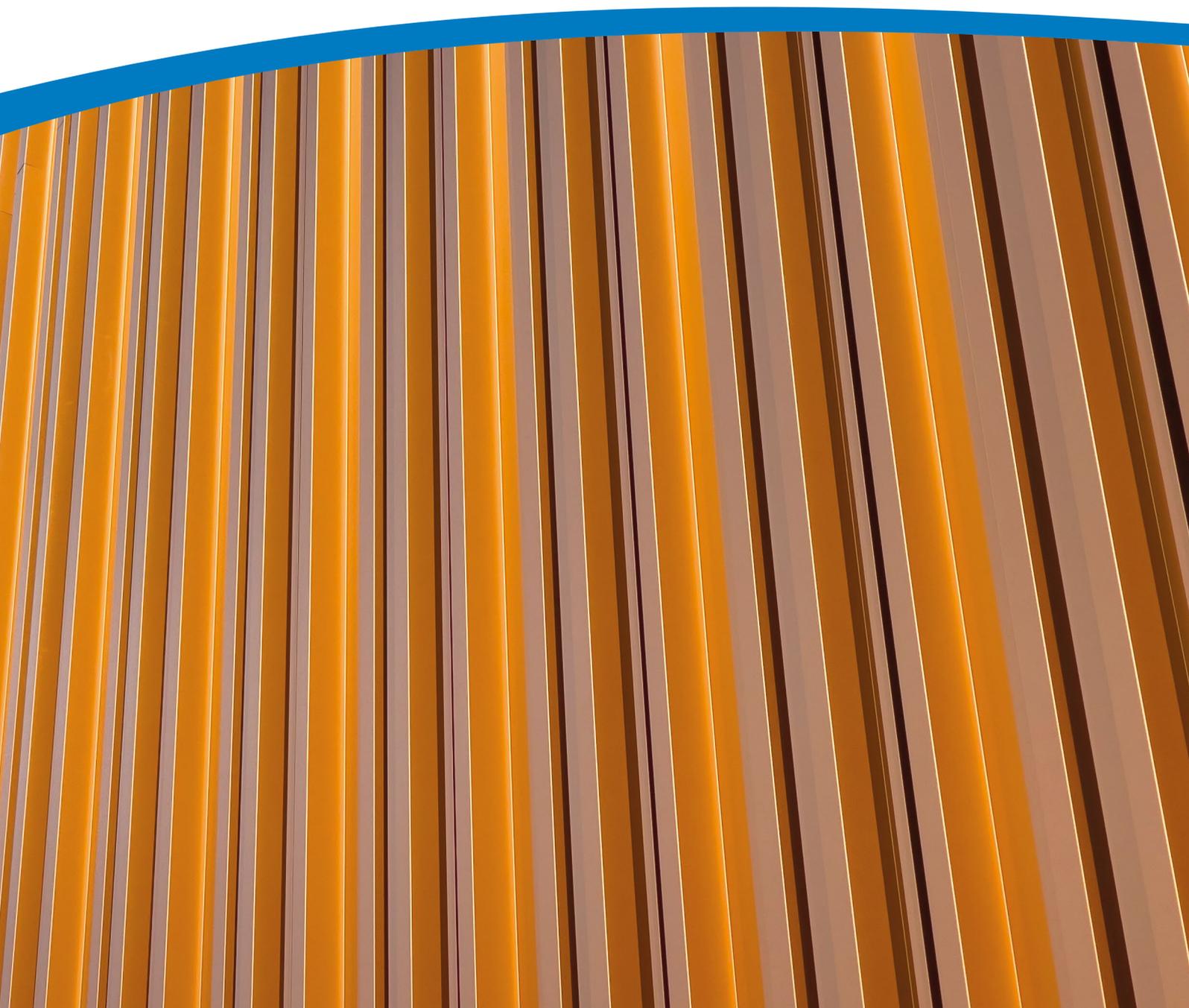


**TATA STEEL**



**The Trisobuild® façade range**  
Non-combustible rainscreen systems





## Trisobuild® façade range

### Non-combustible rainscreen systems

Made in the UK through our Shotton site in North Wales, Tata Steel now offer a range of innovative rainscreen façade options which are non-combustible and designed to be used on both new-build and refurbishment projects, creating clean linear lines and unique aesthetics through a wide range of profiles and an extensive colour range.

Rainscreen façades comprise of a multi-part system, with the principal purpose of providing high-value and often complex decorative façades, whilst providing protection to the underlying structure, allowing the building to 'breathe', without risk of interstitial condensation or structural degradation.

These systems derive their performance from the ventilated zone between the insulation and the weathering screen, which minimises thermal cold bridging and allows for water to be drained from within the cavity and any remaining humidity to evaporate through the air gaps.

Acknowledging the growing concerns regarding the fire performance of such cladding systems, Tata Steel only offer façade systems comprising of non or limited combustible pre-finished steel products that are classified as A1 or A2-s1, d0 as defined by BS EN 13501-1:2018. We extend this to all components forming the system including the rainscreen 'helping-hand' support, fasteners and insulation elements. This is fully detailed and supported by our Platinum® Plus system guarantee.

#### Guaranteed specification creation through Platinum® Plus

Platinum® Plus is a system guarantee for 25 years, derived from a project specification particular to the building function. Our reputable supply chain partners and commitment to responsible sourcing creates an enhanced building envelope system that is both robust and proven. Platinum® Plus offers enduring durability and assured building performance, lowering the cost of ownership throughout the service life of the building.

Made unique with our technical support from specification to completion, and beyond –

including those all-important final checks both during and post-installation. Technical assistance is provided at every stage of the project, with single point of contact to ensure your specification meets the needs of the building owner. An important feature of the guarantee, is that it is between the building owner and Tata Steel (without intermediaries) and is fully transferable on change of ownership of the building.

**For Platinum® Plus specifications, please contact our Technical Department:**  
**T: +44 (0) 1244 892199**  
**E: [technical.envelopeproducts@tatasteeleurope.com](mailto:technical.envelopeproducts@tatasteeleurope.com)**

#### Technical Support

Tata Steel products are tested by third parties for criteria such as reaction and resistance to fire, thermal performance, hard and soft body impact 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 maximises the service life of your build.

We can offer project specific support on:

- Specification writing.
- Detail design.
- Wind Load calculations.
- U-value calculation.
- Condensation Risk Analysis.
- Fire Performance.
- Building Regulation advice.
- Assistance with SBEM.
- Advice on maximising BREEAM credits.
- Whole Life Cycle costs.
- LCA calculations and product specific EPDs to EN 15804 including modules A, B, C and D.

## Trisobuild® façade range – Trisobuild® Tailored Profiles

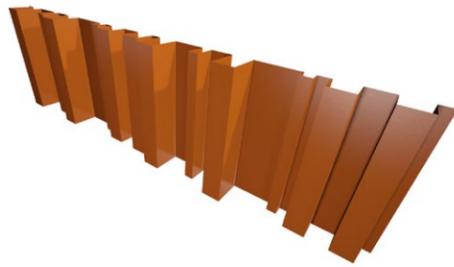
Put your stamp on your building using the newly launched Trisobuild® Tailored Profile range. Naturally inspiring façades with depth of geometry and fabricated in the Colorcoat Prisma® palette to perfectly complement one another.

Trisobuild® Tailored Profiles are a bespoke set of new steel profiles which have been developed to create striking geometry and to challenge the concept of traditional façades in the UK. The exciting new profile shapes and contemporary Colorcoat Prisma® palette offer unparalleled creative freedom for building modern and contemporary looking structures that will provide truly unique and sensational building façades.

Tapered Plank Profile



Castellated Profile



Louvred Profile



### Trisobuild® Tailored Profiles components

#### Outer sheet

##### Trisobuild® Tailored Profile range

**Material:** Colorcoat Prisma® including the option of a textured finish\*, with 0.7mm metallic coated steel substrate

**Cover widths:** Varies by profile

**Sheet lengths:** 1m to 6m

#### Support system

##### Nvelope 'helping hand' system

**Material:** Mill finish aluminium or stainless steel

**BBA Certificate:** 19/5671

**Bracket sizes:** 40mm to 300mm

#### Fasteners

**Material:** Stainless steel only

**Grade:** A4 only

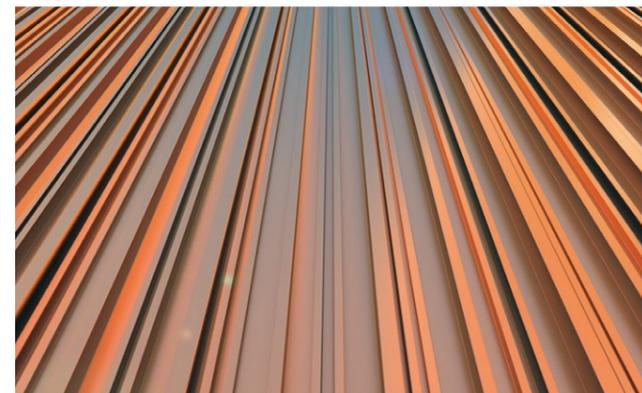
\* See separate fire classification for Colorcoat Prisma® textured

For further information on our Trisobuild® façade range, please visit our website or contact our Technical Department:

T: +44 (0) 1244 892199

E: [technical.envelopeproducts@tatasteleurope.com](mailto:technical.envelopeproducts@tatasteleurope.com)

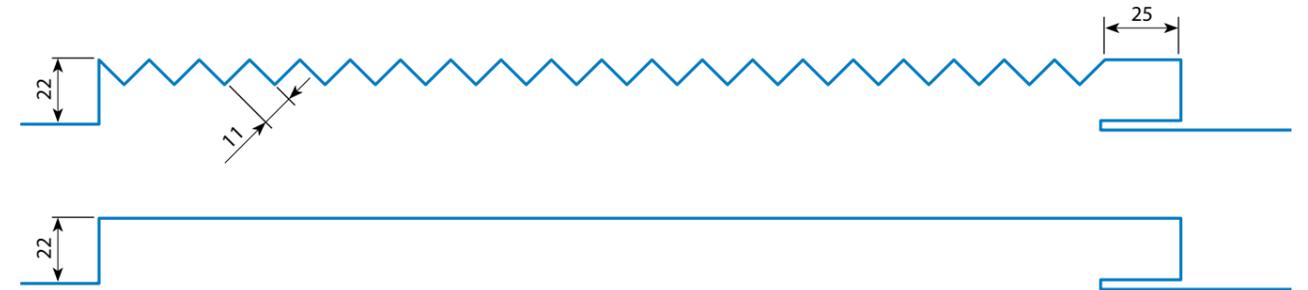
[www.tatasteleurope.com](http://www.tatasteleurope.com)



## Trisobuild® façade range – Trisobuild® Linear Plank

Versatile and cost-effective Trisobuild® Linear Plank is a concealed fix façade plank system with variable widths up to 500mm, available in a wide range of Colorcoat Prisma® finishes.

Trisobuild® Linear Plank systems were originally developed to provide an economic alternative to more sophisticated rainscreen systems, whilst continuing to offer an attractive and flexible façade option. Trisobuild® Linear Plank has been designed to allow freedom in orientation, flexibility in cover width, and the ability to include a variety of widths within the same façade. Manufactured from Colorcoat Prisma® pre-finished steel it allows the system to be classified as non-combustible and safely installed above 18m.



### Trisobuild® Linear Plank components

#### Outer sheet

##### Trisobuild® Linear Plank Profile

**Material:** Colorcoat Prisma® including the option of a textured finish\*, with 0.7mm or 1.2mm metallic coated steel substrate

**Cover widths:** 125mm, 300mm or 500mm (max) intermediate bespoke widths upon request

**Sheet lengths:** 1m to 6m

#### Support system

##### Nvelope 'helping hand' system

**Material:** Mill finish aluminium or stainless steel

**BBA Certificate:** 19/5671

**Bracket sizes:** 40mm to 300mm

#### Fasteners

**Material:** Stainless steel only

**Grade:** A4 only

\* See separate fire classification for Colorcoat Prisma® textured

For further information on our Trisobuild® façade range, please visit our website or contact our Technical Department:

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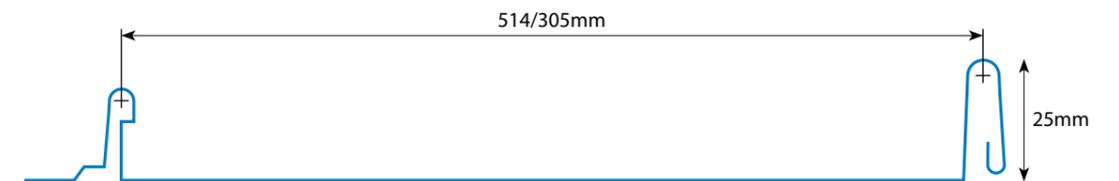




## Trisobuild® façade range – Trisobuild® Seam

Trisobuild® Seam is a long strip standing seam façade system which provides an aesthetic alternative to traditional hard metal systems for non-residential applications.

Fully supported standing seam cladding systems are typically supported by and fixed back to continuous plywood or OSB backing boards which would of course provide little performance in a fire scenario and could not be utilised above 18m. In the Trisobuild® Seam façade system these combustible backing boards are replaced by a non-combustible Trisobuild® D32 steel profile, which is directly affixed to the 'helping-hand' bracket and rail system.



### Trisobuild® Seam components

#### Outer sheet

##### Trisobuild® Seam Profile

**CE Marked to BS EN 14783:2013**

**Material:** Colorcoat Prisma® including the option of a textured finish\*, with 0.7mm metallic coated steel substrate

**BBA Certificate:** 09/4698

**Cover widths:** 305mm or 514mm

**Sheet lengths:** 1m to 12.5m

Fixed back to steel backing sheet with fasteners at typically 180mm centres

#### Decking profile

##### Trisobuild® D32S carrier

**CE Marked to BS EN 1090-12009 +A1:2011**

**Material:** Colorcoat® PE 15 (15 micron polyester)  
Galvanized metallic coated steel

**Cover width:** 1000mm

**Sheet lengths:** 1m to 16m

\* See separate fire classification for Colorcoat Prisma® textured

For further information on our Trisobuild® façade range, please visit our website or contact our Technical Department:

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[www.tatasteleurope.com](http://www.tatasteleurope.com)



# www.tatasteeleurope.com

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## Tata Steel

Shotton

Deeside

Flintshire

CH5 2NH

United Kingdom

T: +44 (0) 1244 892199

E: [technical.envelopeproducts@tatasteeleurope.com](mailto:technical.envelopeproducts@tatasteeleurope.com)

Tata Steel UK Limited, Registered Office: 18 Grosvenor Place, London SW1X 7HS, Registered in England No. 2280000

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