



A1 Fire Classification

BS EN 13501-1: 2018

Beautiful, Timeless Facades



Xtreme Plank

Xtreme Plank is a simple to install, fully ventilated rainscreen cladding system which has an appearance similar to that of timber but the durability and strength of cement.

Made from refined cellulose fibre cement, Xtreme Plank has high levels of impact resistance, excellent weathering properties and outstanding levels of durability. With a minimum life expectancy of 30 years, it is a façade which will withstand the demanding test of time.

Xtreme Plank is lightweight, requires low maintenance, can be used in the same way as timber and allows you to create truly stunning façades.

Offering a range of colour painted finishes, Xtreme Plank is an attractive alternative to traditional timber boarding and plastic effect PVCu cladding. Xtreme Plank can be installed either horizontally in a traditional lapped style (most popular way) or in a vertically lapped style.

Used by architects, national house builders, homeowners and contractors Xtreme Plank is factory finished and provides substantial design opportunities.

Key features



Fire classification to BS EN 13501-1: 2018 A1

- UK factory applied colour
- High levels of weather resistance
- Easy to install and lightweight
- Range of colour matching aluminium trims available
- Resistant to rot, fungus or insect attacks
- Able to match to any RAL, BS or NCS colour
- Low maintenance, long performance life

Suitable for the following construction types



Steel frame



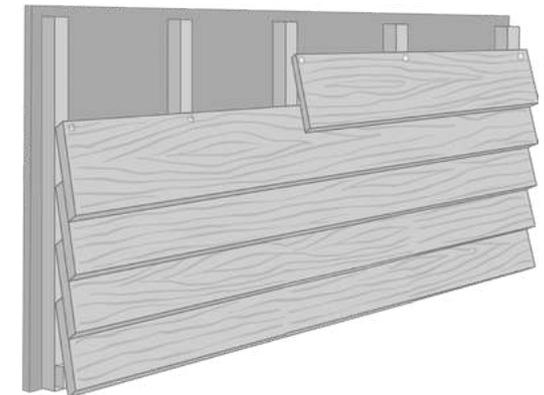
Timber frame



Modular / Offsite



Masonry



Designed to Stand The Test of Time

Nominal density	1380kg/m ³
Fibre-cement flat sheets.	BS EN 12467:2012+A2:2018 Class A
Thermal conductivity	0.30 W/mk
Moisture content	≤ 8%
Moisture movement (EMC to saturated)	≤ 0.06% - 0.08%
Reaction to fire BS EN 13501-1:2018	Class A1 (non-combustible)
Biological resistance	Highly resistant
Surface condition	Front face: Painted Back face: Textured
Substrate durability (life expectancy min)	30 years
Standard board size	3660 x 190mm
Special order	3660 x 230mm
	Natural Painted
Thickness	7.5mm 7.5mm
Weight	10.95kg/m ² 11.10kg/m ²
Dimensional tolerance	
Length	+3/-3mm
Width	+2/-2mm
Thickness	+0.6/-0.2mm

Calculation of board quantity

190mm - Board coverage 0.59m² per board @ 30mm over lap.

Workability

Our Xtreme Plank can be cut, drilled and nailed with conventional woodworking tools in a similar fashion to timber. For cutting the product in any volume, we recommend the use of a Poly Crystalline Diamond Dart Blade to avoid excessive wear on other blades, or use the Tamlyn mechanical shear. Alternatively, we can offer a complete fabrication service, please contact our technical department for details. Please adhere to health & safety guidance when cutting Xtreme Plank.

Xtreme Plank is installed using screws or nails in a secret fix method. There is no requirement for pre-drilling when using recommended fixing centres. For the top and bottom planks, where fixings are visible, we are able to supply colour-matched fixings.

The Tamlyn System

Requests from our clients to offer the Tamlyn range as an element in a full cladding system has been growing considerably.

Although we aim to offer our clients maximum flexibility, we recognize that bringing all of the key components under one supplier makes our offer far more appealing and helps reduce risk of product incompatibility issues.

A-rated, fibre cement Tamlyn cladding is a fire safe, low maintenance and durable solution for those wanting to improve both the appearance and efficiency of their home. Furthermore, it is easy to install and can be fitted to a range of timber and metal sub frames.

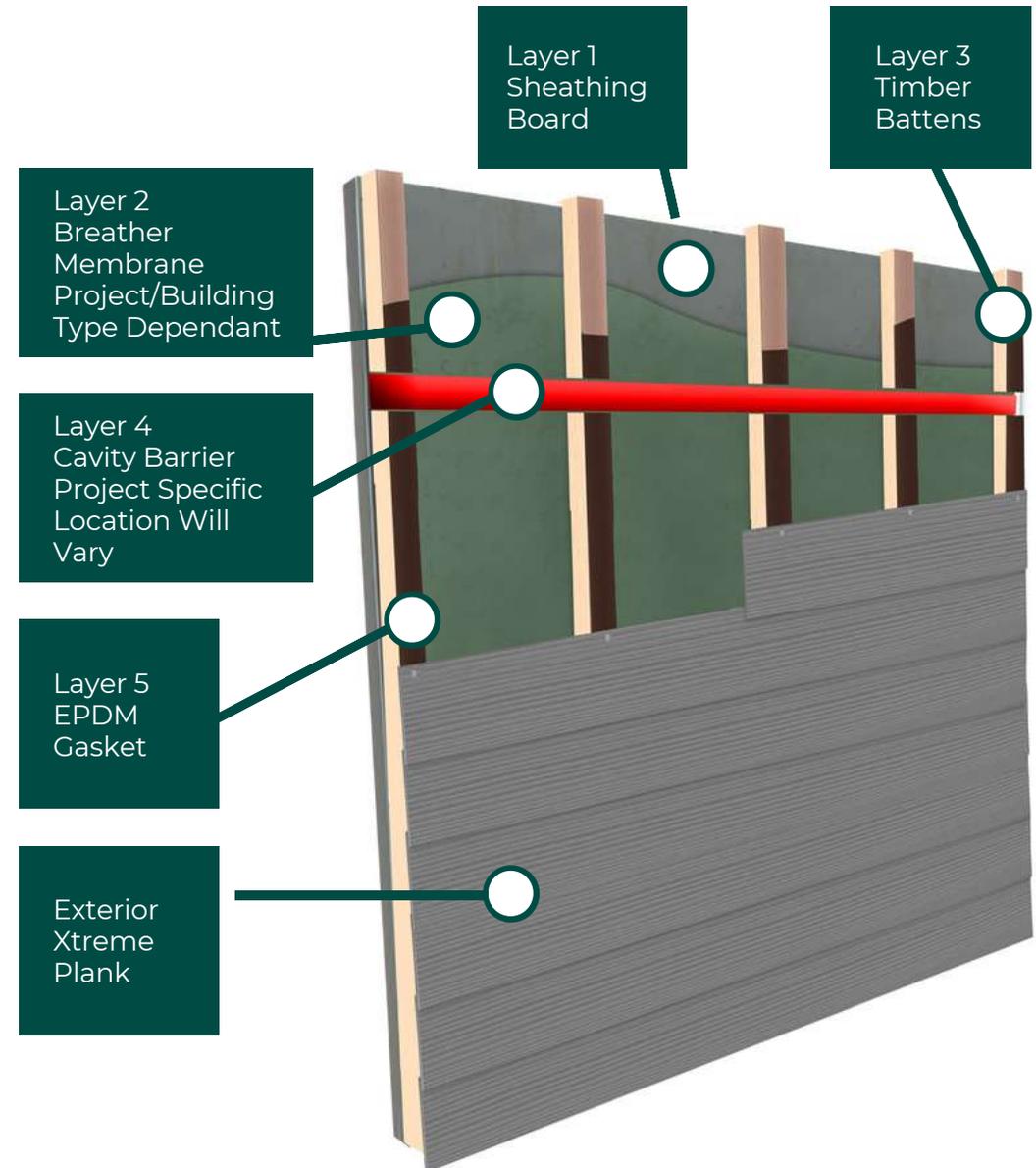
As with all of our façade systems, we recommend a layer-by-layer approach to installation; Xtreme Plank can be installed in 5 key layers in-to-out:

Layer 1, the substrate

We recommend the use of sheathing boards as an ideal substrate.

Layer 2, the breather membrane

Project and building dependant, TAMLYN can supply a suitable breather membrane. This will provide a necessary barrier against water penetration from the outside while allowing migration of water vapour through the membrane from inside the building.



Installing Xtreme Plank

Layer 3, the sub frame

Traditionally the sub frame for Weatherboard has comprised of 38mm deep vertical timber battens which allow for a free flowing cavity between the breather membrane and the weatherboard. Where required, TAMLYN UK offer an alternative range of Non combustible support frames, these include:

Aluminum Z profile. Cavity depth 38mm, this is typically used for low to medium rise applications and can be fixed back to both masonry and framed buildings. (please refer to image below)

Helping Hand system. Cavity depth 50mm-300mm. This is typically used on medium to high rise applications where the cavity depth needs to vary and can be fixed back onto either masonry or framed buildings. (please refer to image below)



Timber Battens



Z Section Metal Profiles



Aluminium Mounting System

Please note that timber battens are not part of our product portfolio.

Layer 4, Cavity Barriers

The use and specific location of cavity barriers behind this ventilated weatherboard solution can vary depending on building make up, use and the various stakeholders involved.

TAMLYN offer a range of intumescent cavity barriers which are typically used in conjunction with either a timber batten or on our profile sub frame. The use of an intumescent cavity barrier allows for drainage and air flow within the cavity whilst acting as a smoke and heat barrier, activating if required.

On the Aluminium support frame, this requires the use of OSCB's (not shown on this schematic) which can vary considerably depending on cavity depth.

Layer 5, EPDM Gasket

An EPDM gasket (ethylene propylene diene monomer - an extremely durable synthetic rubber tape) is fixed to each vertical element to provide additional weather protection (and prevent premature rotting if using timber).

Our A1 Xtreme Plank, which is coated in the UK, is then simply screwed or nailed through the EPDM gasket onto the subframe using the appropriate TAMLYN supplied fixings.

With a flexible colour range, all to A1 classification, we believe our offer to be very attractive to the market.

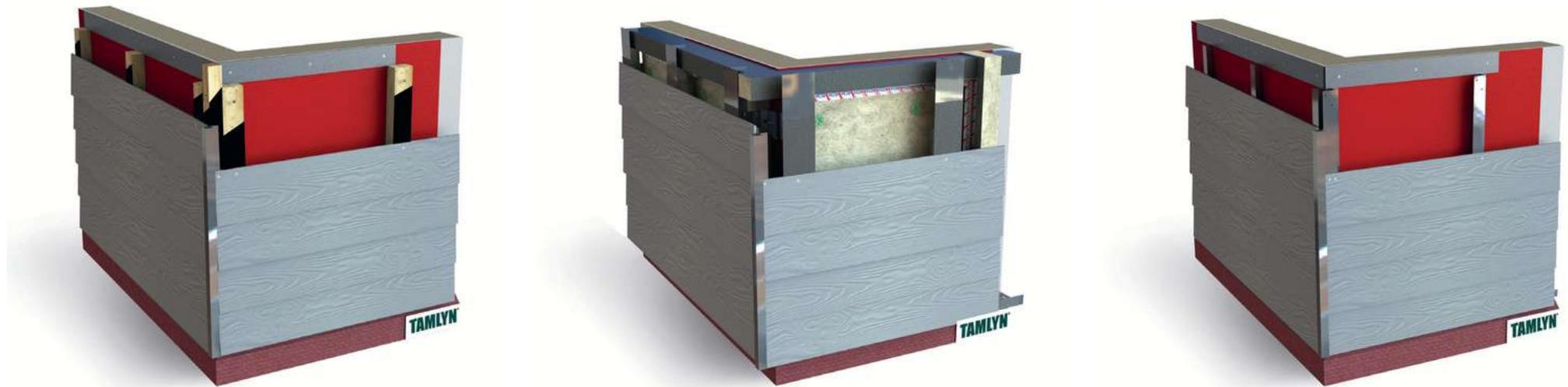
System Details

System components

As part of our offer to our clients, we can assist with providing a range of standard system details for the Xtreme Plank product or system.

Where there is no standard detail for a particular project, then we will assist the specifier with the most suitable solution, working within the boundaries of the product and other stakeholders such as Building Control or NHBC for example.

We have provided a small selection of the system details available. For a more extensive range, please contact our technical department or your regional TAMLYN for more information.



A Spectrum of Colours for Creativity

Xtreme Plank has a unique colour palette and comes in a standard range of painted colours. Whether your project is rural or urban, it is important that the building blends seamlessly into the landscape. As a result, just in case we don't have the colour you require in our standard collection, we are able to match Xtreme Plank to any RAL, BS or NCS colour. Minimum quantities required.

The striking and beautiful painted collection

The painted collection is made up of 18 of the most popular RAL colours used for weatherboard in the UK. With a range spanning from white to black, there is a colour to suit your landscape and create your dream project. We offer small minimum quantities and short lead times as standard.



Fire Rating:  Classification on all colours



Traffic White
XT-PLC/WP01/S



Light Grey
XT-PLC/WP02/S



Oyster White
XT-PLC/WP03/S



Light Ivory
XT-PLC/WP04/S



Pastel Turquoise
XT-PLC/WP06/S

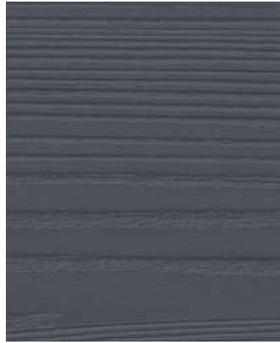


Jet Black
XT-PLC/WP07/S

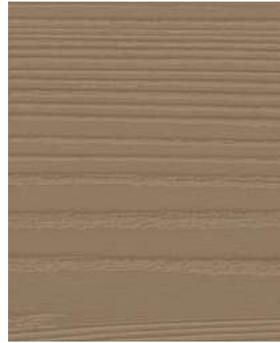
A Spectrum of Colours for Creativity



Iron Grey
XT-PLC/WP08/S



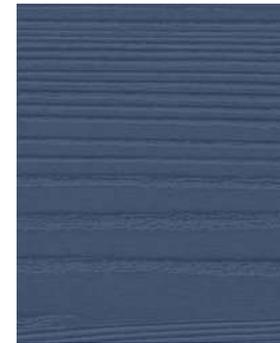
Dark Grey
XT-PLC/WP09/S



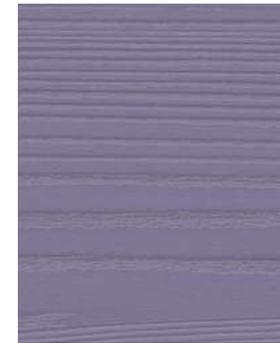
Khaki Brown
XT-PLC/WP10/S



Dark Brown
XT-PLC/WP11/S



Lavender Blue
XT-PLC/WP12/S



Lilac Blue
XT-PLC/WP13/S



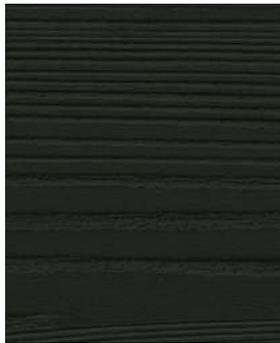
Slate Grey
XT-PLC/WP24/S



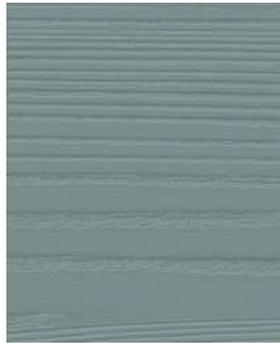
Sand Yellow
XT-PLC/WP14/S



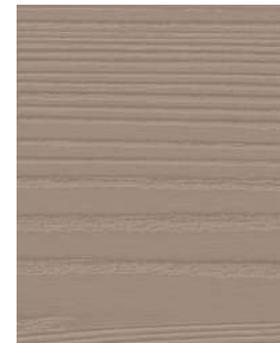
Red
XT-PLC/WP15/S



Pine Green
XT-PLC/WP16/S



Blue Grey
XT-PLC/WP17/S



Grey Brown
XT-PLC/WP18/S



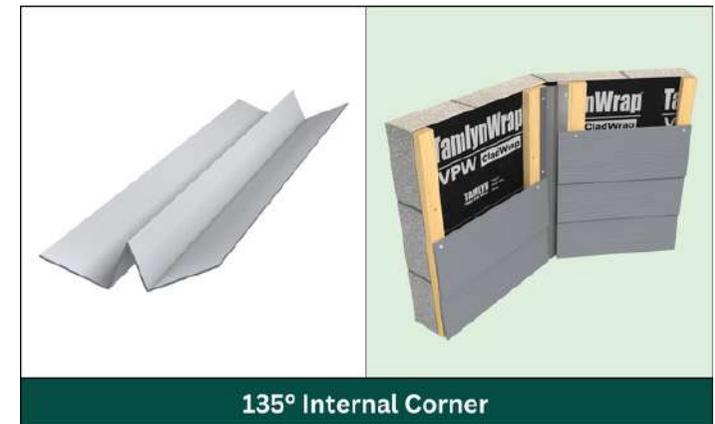
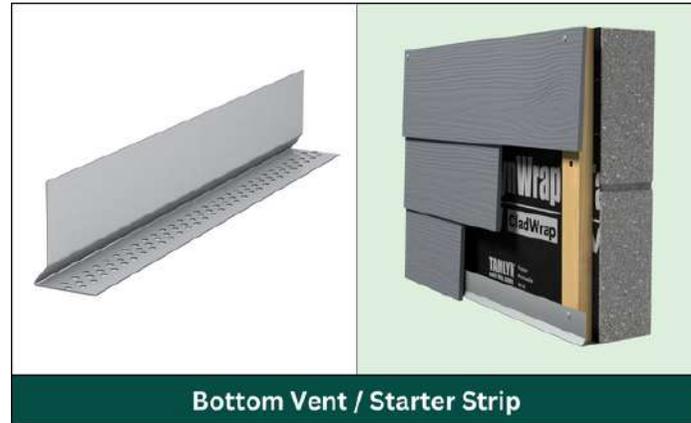
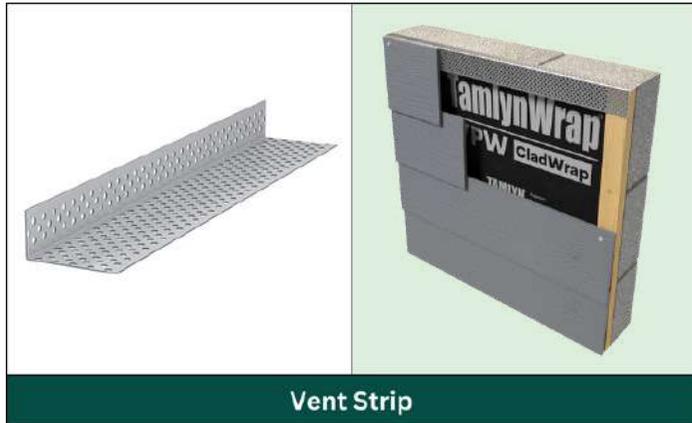
Grey Green
XT-PLC/WP20/S



Anthracite Grey
XT-PLC/WP21/S

The Complete System

The Xtreme Plank range comes with a full collection of colour matched screws, aluminium profiles and accessories providing a complete cladding solution. Please refer to the Xtreme Plank installation guide for more information on the installation of profiles.



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Xtreme Fixings

32mm Coloured Fixing Screws



PRODUCT DETAILS

Xtreme fixing screws are manufactured from A2 stainless steel to ensure their suitability for use in the harshest environments. Our façade screws are available in two sizes to accommodate the use of 25mm, 38mm, or 50mm battens. 21 colour options are available in 38mm screw lengths and 22 colour options in 32mm lengths. Torx heads allow for easy penetration. Our sharp point point board fixings are also available in two sizes to accommodate the use of either 25mm, 38mm or 50mm battens. The sharp point allows for easy penetration through fibre cement board. We also supply Torx self drilling trim fixing screws that drill through the trim and into the batten, and self drilling or slash point, Hex head cladding fixings for our Aluminium cladding plank.



AVAILABLE OPTIONS

- Sharp point, 4.0mm x 45mm, A2 Stainless steel fixing screw. Box 200 (for 38mm or 50mm batten installation) and 32mm (for 25mm batten installation). (XT-FIX30MM / XT-FIX45MM)
- Coloured Torx, 4.8mm x 38mm, A2 SS façade fixing screw Box 100 (for 38mm or 50mm batten installation) and 32mm (for 25mm batten installation). (XT-SCREW32 / 38)
- Self drilling 5.5mm x 25mm, A2 stainless steel or carbon steel pancake head for fixing Aluminium trims. Box 100. (XT-TF-SS25 (stainless steel) , (XT-TF-CS25 (carbon steel))

Vapour Permeable House Wraps

TamlynWrap® VPW CladWrap



DESIGN FEATURES

Similar to ReflectaFlame, VPW CladWrap can be used in all construction methods. Unlike traditional house wraps which are commonly W2 rated single layer polypropylene, VPW CladWrap has three layers which give it superior strength and allow it to become W1 rated which means it can be left exposed without the fear of rain penetration. This is a great benefit ensuring that the structure of the building remains dry whilst the external façade is being installed.

MATERIAL & FIRE RATING

A2-s1,d0 fire rated, glass fibre reinforced membrane with solid aluminium foil. Highly vapour permeable thanks to a functional central film.

TamlynWrap® ReflectaFlame



DESIGN FEATURES

ReflectaFlame is a highly vapour permeable building wrap which can be used in high rise, multi-storey, domestic and off-site construction applications. Its unique composition, boasting a class leading A2-s1,d0 fire rating, will safely resist the spread of flame across the cavity of the building. Its low emissivity reflective surface will boost the u-value of the wall structure, potentially offering a 20mm saving in PIR insulation.

MATERIAL COMPOSITION

three layered construction comprising of a highly vapour permeable functional film sandwiched between layers of spunbonded polypropylene.

Xtreme Cavity Strip Barriers



DESIGN FEATURES

UK construction has seen a change in emphasis on construction methods, with timber and steel frame structures being utilised to a greater extent. These structures can be clad with a range of products from cementitious planks, to aluminium rainscreen, to timber and tiled systems.

Fire proofing the cavity is a crucial design element, and Tamlyn have the cost effective, easy to install solution with our Xtreme Cavity Strip Barrier. The strips contain an intumescent material that expands when in contact with fire to effectively block off the cavity to contain the fire and prevent it from spreading behind the façade. Positioned using the tape attached to the product then fixed by using staples, nails or screws back to the substrate. The product is flexible and can be used on profiled or curved faces.

Suitable for use with timber battens (25mm, 38mm and 50mm). Also suitable for use with metal tophats.

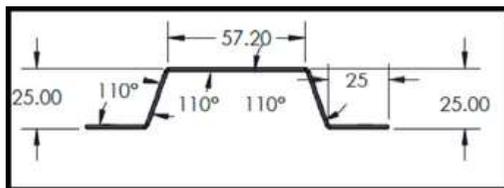
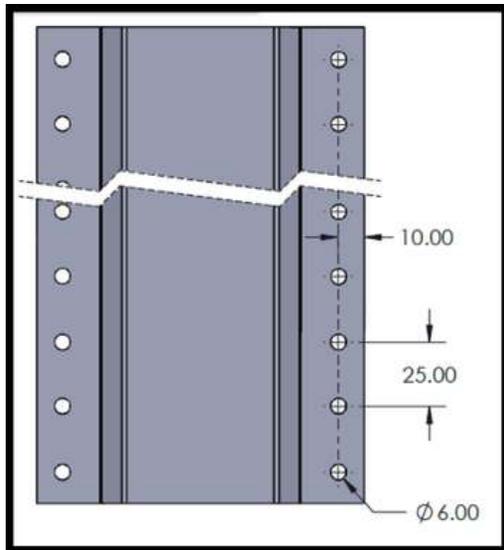


 FIRE TEST PERFORMANCE	
BS EN 1363-1 1999	up to 120 min
EN 1363-2	up to 120 min
EN 1363-1 2012	up to 120 min



Product code	Thickness	Width	Gap size protection
XT 4-30-1	4mm	30mm	≤ 45mm
XT 6-30-1	6mm	30mm	≤ 60mm

Xtreme Top Hats



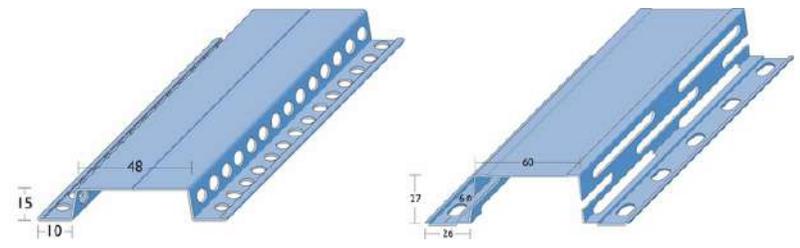
PRODUCT DETAILS

Xtreme top hats are a great alternative to using wooden or composite battens when fire safety or structural integrity is of paramount importance. Mill finished aluminium, galvanised steel or stainless steel options are available which achieve A1 fire ratings by the very nature of the material.

Xtreme top hats are typically manufactured to bespoke requirements, however, we do stock two commonly sized options.

Vented and non-vented options are available and pre-drilled holes can be designed-in on request.

The perfect complement to any fire rated cladding system. Manufactured and stocked in the UK.



Bi metallic Torx™ head self drilling screw for securing panel to steel top hat. Coated carbon steel (with washer) or Austenitic stainless steel A2 (304 grade). 5.5 x 25mm (12mm head)

Self adhesive, black EPDM jointing tape used as an isolating membrane between the steel top hat and aluminium panel. Meeting the requirements of DIN 18516 part 1.

0.75mm x 70mm and 25m long