

A1 Fire Classification to EN 13501-1: 2018



## Xtreme Plank Weatherboard Installation Guide

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# Introduction

Tamlyn 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. A single facet autoclaved refined cellulose fibre cement board, Xtreme Plank is lightweight, requires little maintenance, can be used in the same way as timber and allows you to create truly stunning façades. Offering a range of natural timber effect painted finishes, Xtreme Plank is an attractive alternative to traditional timber boarding and plastic effect PVCu cladding.

Xtreme Plank is third party tested and accredited as a fibre-cement board for use as an exterior non-loadbearing cladding on vertical timber, metal supports over masonry, brickwork or timber or steel frame on new and existing domestic and non-domestic buildings, subject to height limitations. This demonstrates its versatility regarding the application onto variable structure types and use of building types, be they commercial or dwellings.

The product has a reaction to fire classification of A1 in accordance with BS EN 13501-1 : 2018 (see BBA certificate section 4.6 and 7 for restricted timber support uses) affording its use where fire classification is a key requirement in the project design criteria.

The performance of the Xtreme Plank has an expected service life in excess of 30 years, offering longevity as an ideal choice for specifiers and clients seeking an alternative for flat panelled façade systems. It also satisfies the relative requirements in relation to the NHBC standards Part 6 and 6.9 extending the opportunities to specify it where insurers are operating in the domestic dwellings sector.

This Third-party accreditation demonstrates the stringent testing regimes and standards that Xtreme Plank has met, following a testing path for strength and stability, behaviour to fire, weathertightness and durability. All of which ensure a high level of performance is achieved for the use of Xtreme Plank for your project specification.

# Key Product Features

- Fully third party tested and accredited, CE marked
- Fully ventilated system
- Choice of board dimensions within the range
  - 3660mm x 190mm x 7.5mm
  - 3660mm x 230mm x 7.5mm
- Resistant to rot, fungus or insect attacks
- High levels of weather resistance
- Low maintenance, long performance life
- Easy to install using standard woodworking tools
- Available in wide range of RAL, BS or NCS colours
- UK factory applied colour
- Range of colour matching aluminium trims available
- Cut and installed in the same way as timber
- A1 Classification to BS EN 13501-1:2018
- Low minimum order quantities for specific colours
- Dimensionally stable

# Colours and Finishes

Xtreme Plank is available in a wide range of colours.

Whilst we do all that we can to maintain consistency when producing batches of colour, we do however advise that you order all elevations at the same time for complete peace of mind.

Fire Rating:  Classification on all colours



Traffic White  
XT-PLC/WP01/S



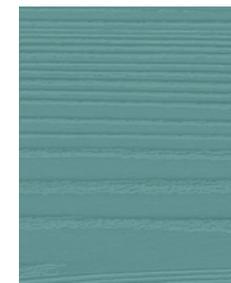
Light Grey  
XT-PLC/WP02/S



Oyster White  
XT-PLC/WP03/S



Light Ivory  
XT-PLC/WP04/S



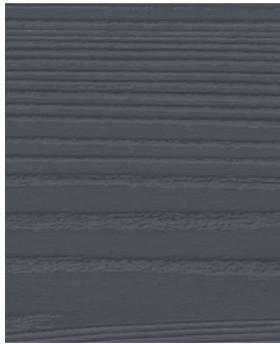
Pastel Turquoise  
XT-PLC/WP06/S



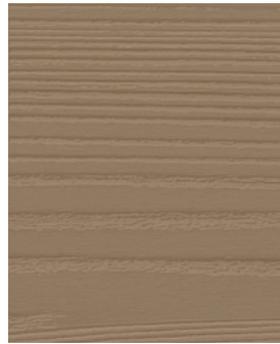
Jet Black  
XT-PLC/WP07/S



Iron Grey  
XT-PLC/WP08/S



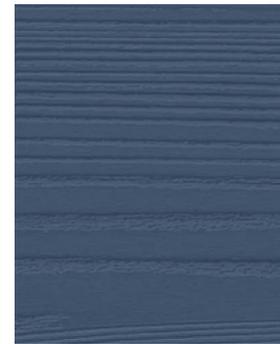
Dark Grey  
XT-PLC/WP09/S



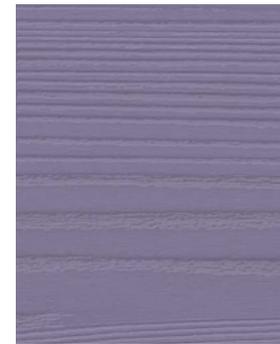
Khaki Brown  
XT-PLC/WP10/S



Dark Brown  
XT-PLC/WP11/S



Lavender Blue  
XT-PLC/WP12/S



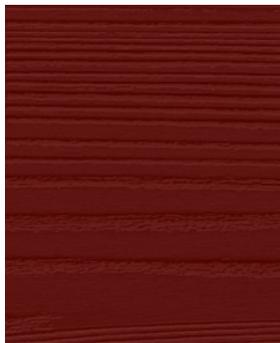
Lilac Blue  
XT-PLC/WP13/S



Slate Grey  
XT-PLC/WP24/S



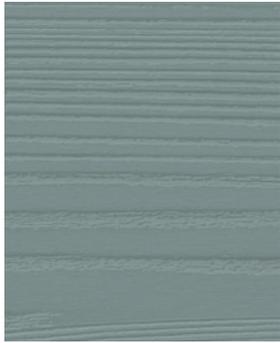
Sand Yellow  
XT-PLC/WP14/S



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

## System principle: ventilated rainscreen

Xtreme Plank is installed to a ventilated rainscreen principle. The objective of the system is to create an air flow at the base of the system whilst creating ventilation at the top of the elevation.

A minimum ventilation gap of 38mm must be created behind the Xtreme Plank, with a 10mm ventilation gap at the top and bottom of the system to create a full ventilation flow. The purpose for this function is to remove moisture from within the cavity. Failure to create a full air flow could lead to possible problems with the overall system.

A 10mm gap should also be left under window heads and cills, at the soffit line to ensure complete ventilation.



## Surface Mounted Features

When Xtreme Plank is subject to additional items being fixed to the building i.e. gutters canopies etc. they should be fixed through the Xtreme Plank and into the primary structure or into the main sub structure. Alternatively they can be fixed into additional battens installed behind the Xtreme Plank.

Clearance holes should be allowed for when fixing these items through the Xtreme Plank. Under no circumstances should the Xtreme Plank be used to carry structural loadings.

## High Wind Loading or Exceptional Impact Requirements

When installing Xtreme Plank it is important to fully understand the wind loading of the structure that the product is being applied to. If the wind loading exceeds 1.0kN/m<sup>2</sup> please contact the Tamlyn technical team on 01386 570898.

Where Xtreme Plank could be subject to exceptional impact loads on application at low level, high pedestrian areas, schools, leisure facilities additional timber battens should be installed between the standard battens to increase the performance of the sub structure and the Xtreme Plank impact resistance.

## Fire

Xtreme Plank with all standard solid colours achieves the highest possible classification to BS EN 13501-1:2018 providing a reaction to fire, Non-Combustible, A1 classification. This classification relates to mounting applications of treated 38 x 47mm timber battens or metal profiles, when fixed with nails or screws (please refer to fixing section for specification of fixings).

When specifying Xtreme Plank in consideration of fire the specifier needs to ensure that the maximum permitted heights are not exceeded. Furthermore, consideration and placement of open and closed state cavity fire barriers to close the cavity in the event of fire. In addition closer/interface around windows is an additional consideration.

Other considerations are the type of insulation and breather membrane. We recommend that the National Building Regulations and standards are consulted, alternatively please consult with the Tamlyn Technical Services Team.

## Ventilation

To make sure that you obtain the best performance from our product and to avoid interstitial condensation we recommend that you use a minimum 38mm thick timber batten to create a free following cavity behind our Xtreme Plank.

We recommend that the cavity has a minimum 5000mm<sup>2</sup>/m run of ventilation. Based on our timber batten recommendation being 38mm this will provide the necessary cavity for this requirement.

## Breather Membrane

Allows the transfer of moisture vapour, restricts the transfer of liquid water and may act as an air barrier. Xtreme Plank is not weathertight and must be backed by a suitable breather membrane acting as a vapour permeable protection. Where required, a wall breather membrane is laid in accordance with the manufactures recommendations, with minimum laps of 150 mm to ensure water can drain away from the building. The timber battens or metal rail supports are vertically fixed over the breather membrane at maximum 600 mm centres. The wall breather membrane should be UV durable to BS EN 13859-2 : 2014, used in conjunction with sheathing on framed applications. Tamlyn VPW Cladwrap breather membrane to be used. The membrane must be fixed behind 38 x 50mm battens. Installed to Tamlyn's recommendations.

## Battens

Traditionally the subframe for Xtreme Plank has comprised of 38mm deep vertical timber battens which allow for a free flowing cavity between the breather membrane and the weatherboard. If battens are to be used then a minimum 38 x 47 mm preservative- treated battens must be used as vertical supports for Xtreme Plank at a maximum 600 mm centres, ensuring the specified fixings are fully embedded into the wall substrate. Battens to be pressure treated grade 'B' timber framing vertically spaced at 600mm centres maximum. Xtreme Plank is to be overlapped with minimum recommended lap of 30mm, as per manufacturer's instruction.

# Installation

If used with timber battens, Xtreme Plank should be installed in compliance with National Building Regulations. General guidance on maximum height is set out below:

## Dwellings - maximum height

England, Scotland, Northern Ireland & Wales - 18m

In addition to single dwellings in England a maximum height of 18m is implemented on multiple dwellings, Student Accommodation. In Scotland, the boundary condition needs to be assessed. As an alternative to timber battens consideration to the use of a non-combustible steel frame should be given in accordance with national regulation. In terms of fire there is no restriction on height or boundary condition.

There are a number of different ways to install Xtreme Plank, however, the overall principle is the same. Fix the weatherboard to preservative-treated vertical timber battens of at least 47mm wide that are spaced with a maximum of 600mm centres across the buildings elevation. All plank should be fixed to a minimum of three battens. If this is not possible and it can only be fixed to two, then batten spacing should be reduced to 400mm centres. If your building is subject to high wind loading then your timber battens may need to be reduced to 400mm centres. In order to ensure ventilation, a minimum of a 38mm clear cavity is required behind plank. At the base and head as well as the window and door heads and sills a 10mm continuous opening should be left.

Please note that timber battens are not part of our portfolio, however, where required, Tamlyn offer an alternative range of A1 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.

## EPDM Gasket

EPDM is used for sealing interfaces i.e. windows, doors and penetrations, to provide airtight or weather tight seals. When jointing two planks, fix both boards to one batten. Please be sure the EPDM gasket is already installed to the battens as this will provide a protective strip against moisture ingress.

Boards should be loose butt-jointed together, do not use force. To all windows and penetrations use Tamlyn EPDM tape. For timber battens, an EPDM strip is attached to each batten starting from the top and stapling at intervals to ensure a flush fit. The 50mm wide Tamlyn EPDM gasket should be installed to each batten by stapling to the top of the batten then allowing the gasket roll to drop thereby taking out any slack, then staple at regular intervals down the length of the batten and trim to size.

# Installation

## Vent Profiles

Vent profiles are available in various widths to prevent ventilation entering through the cavity ventilation gap used at base, top and window openings of cladding. All ventilation openings around the periphery of a cladding system should be suitably protected with a ventilation protection mesh or a perforated sheet or similar.

A minimum ventilation gap of 25 mm must be provided between Xtreme Plank and the substrate wall, and a vent is installed at the base, top, and above and below window frame openings on the top and bottom of the sub-frame.

## Installing Xtreme Plank

**Cutting** - Xtreme Plank can be cut, drilled and nailed with conventional woodworking tools in a similar fashion to timber. There are a number of different cutting methods to choose from depending on the quantity of material to be cut.

Tamlyn offers a complete fabrication service for Xtreme Plank, please contact our sales department for details on 01386 570898.

Cutting and drilling should be carried out in a dry and well-ventilated area with all cuts being wiped to remove dust with a clean, dry cloth.

**Handsaw:** We recommend the use of a hardened point saw which should only be used for small quantities.

**Electric jigsaw:** When cutting Xtreme Plank with an electric jigsaw, it is our advice that you turn the board over to ensure a clean finish on the front side of the board.

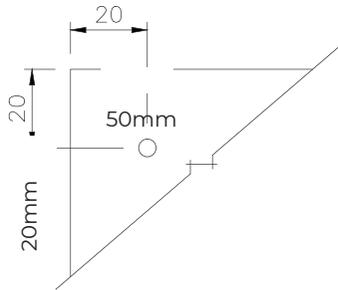
**Hand-held circular saw:** A hand-held circular saw with blades suitable for cutting fibre cement products is ideal for cutting large quantities. For cutting the product in any volume, we recommend the use of an Tamlyn polycrystalline diamond Dart Blade to avoid excessive wear on other blades.

As above, we recommend that the board is turned over before cutting in order to avoid marking the front face of the product. A test cut is always recommended. When cutting or drilling Xtreme Plank wear appropriate PPE and use a dust extractor.

**Screwing (Recommended Method)** - When fixing to the support structure it is our recommendation that fixings are at least 20mm away from the top edge and 50mm from the end of the board (screw gun required). Pre-drilling of Xtreme Plank is not generally required.

If a screw is required within 50mm of the board edge then pre-drilling and a countersink is required. Using anti corrosion treated steel countersunk head screw — 4.2 mm shank diameter, 42 mm length with a 10 mm diameter, with minimum 500 hours salt-spray corrosion resistance.

# Installation



Screws suitable for the installation of Xtreme Plank are available from Tamlyn and can be supplied self-coloured or colour matched to a chosen colour. Please contact Tamlyn on 01386 570898

## Nailing

By hand: When hand nailing there is no requirement for pre-drilling providing the nail placements are at least 50mm from the edge of the board.

If the nail is to be fixed closer than 50mm, then pre-drilling is required. Holes should be pre-drilled 20mm from the edge of the board with a 3mm drill bit. Regular sharpening of HSS drill bits will ensure clean drill holes where required. Nails should be stainless steel ring shank, minimum size 2.65 by 40 mm with a 7 mm head diameter annular ring shank, to BS 1202-1 : 2002.

Please take care when nailing Xtreme Plank.

Pneumatic: Xtreme Plank can be pneumatically at least 50mm from the edge of the board. Nail fixings — 2.65 by 40 mm with a 7 mm head diameter annular ring shank, to BS 1202-1 : 2002 for attaching the board to the timber batten support.

Care must be taken regarding the selection of the nail gun to be used. Nail guns with a narrow head (the nail looks more like a “T” section) are not acceptable.

In order to calculate the depth of the fixing to ensure nails are left flush with the board front, a test should be carried out. This will also help to determine the minimum distances required from the edge of the board and provide a guide for placements.

In order to prevent nails being fired through the board, or being left standing proud of the face of the board, nail guns must be adjustable.

For all fixings in marine environments please contact Tamlyn Technical Services for advice.

When installing vertical systems we recommend that only screws are used and not nails.

# Installation

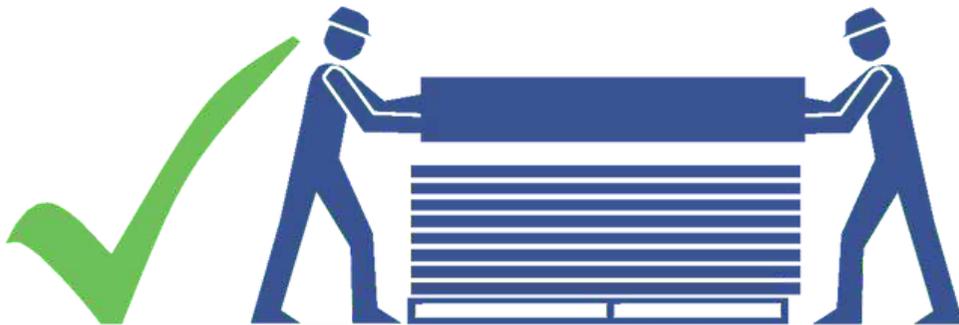
## Handling & Storage

Xtreme Plank should be stored undercover and off the ground on the pallets on which it is supplied. Additional outer wrap packaging for protection during transportation should be removed to release any trapped moisture and then the pack re-covered with an opaque tarpaulin.

It is important to ensure that the reverse side of the board is kept dry during storage and installation. The protective interleaving should always be put back in place when re stacking. The board should be protected from staining from mud or other site wet trades.



Single plank only

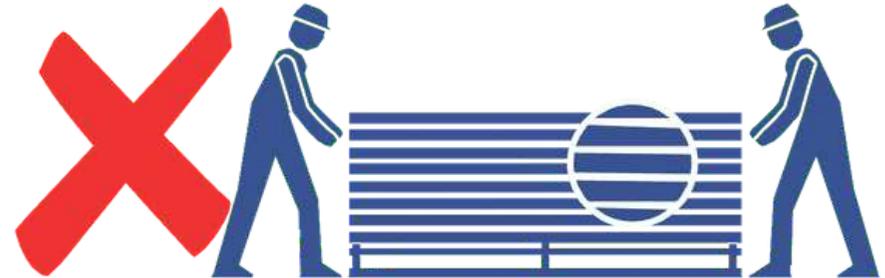


# Installation

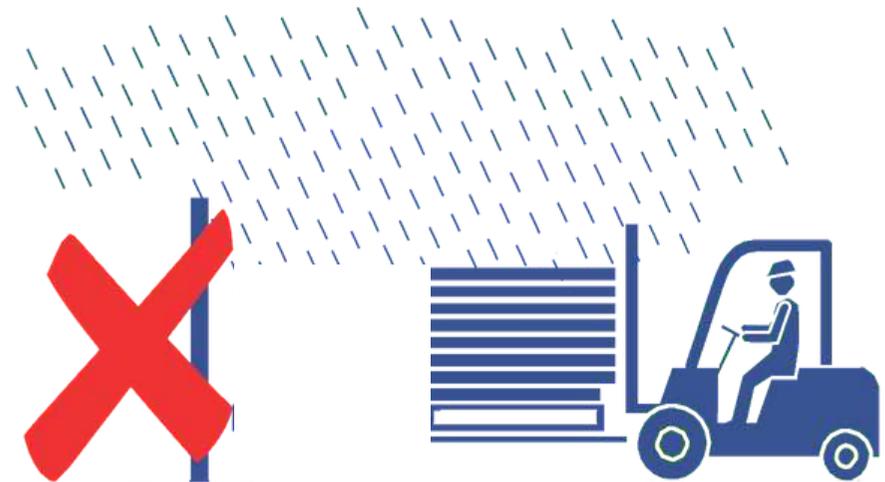
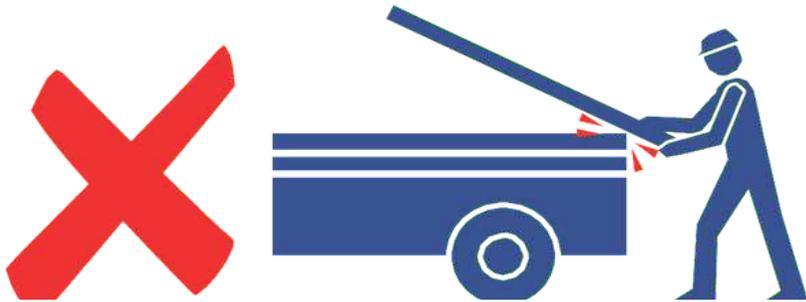
Care should be taken at all times when handling Xtreme Plank on the flat, as it can break. While the board is stored on the flat, it should be fully supported along its full length on purpose designed pallets. Manual handling is best carried out with the boards carried on their sides after being turned on to its side before being lifted off the stack, and then ideally carried by 2 handlers to provide support along the length of the board.

Xtreme Plank should not be slid or dragged across another surface as it would damage the finished surface.

Please refer to the Tamlyn Xtreme Plank handling and storage labels on each pallet.



Single plank only



# Installation

## 12 Steps to Xtreme Plank Installation

1. Fit breather membrane
2. Fix battens or metal profiles to the wall
3. Fix EPDM gasket to the battens
4. Attach vent profiles to the top and bottom battens
5. Fix vertical profiles
6. Fit bottom vent starter profiles
7. Cut and fix Tamlyn Xtreme Plank
8. Jointing of Xtreme Plank
9. Finishing top of wall details
10. Abutments and gables
11. Corner options
12. Coastal location information

## Step 1 - Fit breather membrane

Where required a breather membrane should be fixed to the outer face of the sheathing board, with an overlap between the layers of membrane as required by the manufacturer. Care should be taken to ensure that the membrane is lapped to drain any water away to the outside of the building.

Breather Membranes can be supplied by Tamlyn. please contact sales on 01386 570898.

## Step 2 - Fix battens to wall

If using timber battens, position and fix the vertical battens. Battens should be spaced with a maximum of 600mm centres apart. This should be reduced in high wind load.

Batten sizes • Nominal fixing – 38mm x 47mm

Preservative-treated in accordance with BS EN 351-1 : 2007, with timber batten in accordance with BS 5534 : 2014. Guidance on recommended wood preservation is also given in NHBC Standards 2019, Chapter 3.3 Timber preservation (natural solid timber).

The wall battens should be plumb. Irregularities in the installation of the framing and sheathing will be visible in the finished application. Consult fixing manufacturing in relation to background. If metal profiles are being used, please refer to manufacturers recommendations.

# Installation

## Step 3 - Fix EPDM gasket to battens

The presence of the EPDM gasket provides additional weather protection to the battens and prevents premature rotting.

The 50mm wide EPDM gasket should be installed to each batten by stapling to the top of the batten then allowing the gasket roll to drop thereby taking out any slack, then staple at regular intervals down the length of the batten and trim to size.

Care must be taken not to stretch the EPDM as this could result in it pulling away from the staple fixing.

EPDM gaskets can also be applied as an anti-rattle option to metal subframes.

Tamlyn supply EPDM gasket – please contact us on 01386 570898.

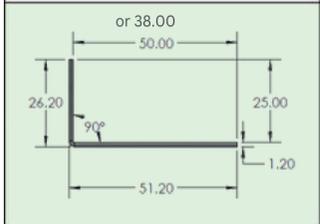
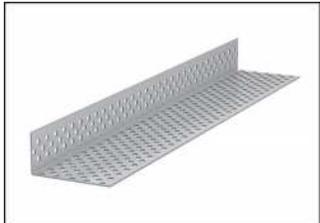
## Step 4 - Attach vent profiles to top and bottom of the battens

The top vent and bottom starter vent should be screwed or nailed to both the top and bottom of the battens respectively. They are designed to allow for air flow through the system whilst preventing access for birds, rodents and large insects.

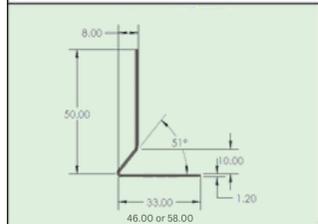
Vent profiles should also be attached to each door, sill and window head, to prevent animal or insect access whilst maintaining ventilation flow.

# Installation

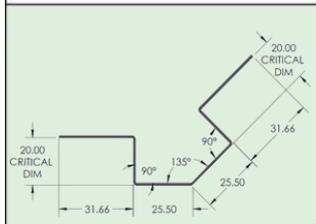
## Step 5 - Fix aluminium coloured profiles



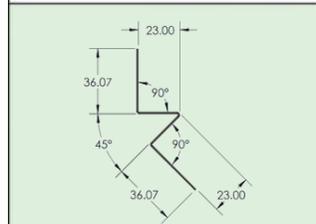
**Vent Strip**



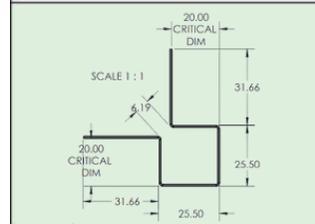
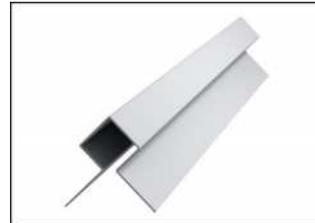
**Bottom Vent / Starter Strip**



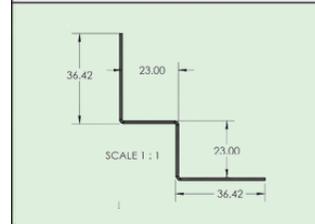
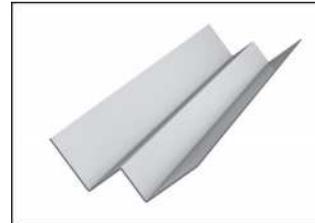
**135° External Corner**



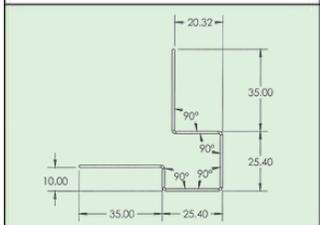
**135° Internal Corner**



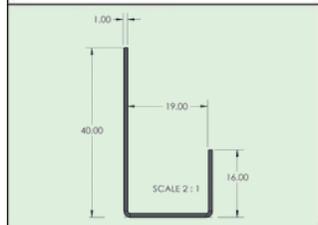
**90° External Corner**



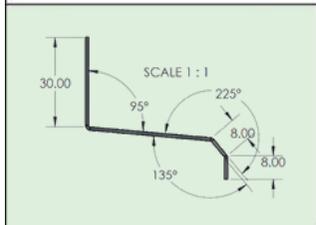
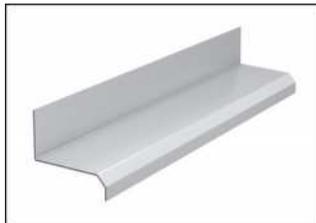
**90° Internal Corner**



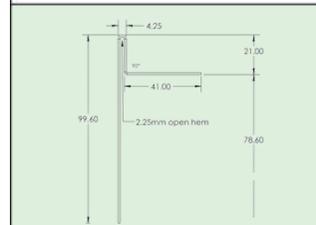
**90° Asymmetric Corner**



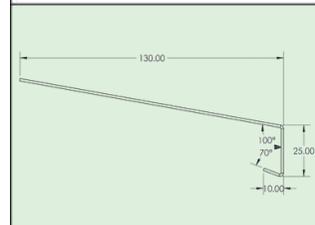
**End Profile**



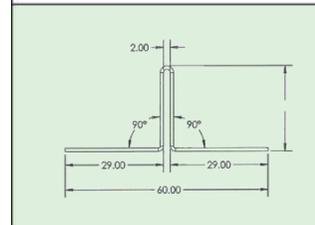
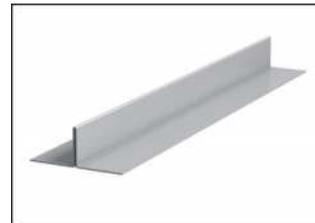
**Window / Head Flashing**



**Vertical Profile**

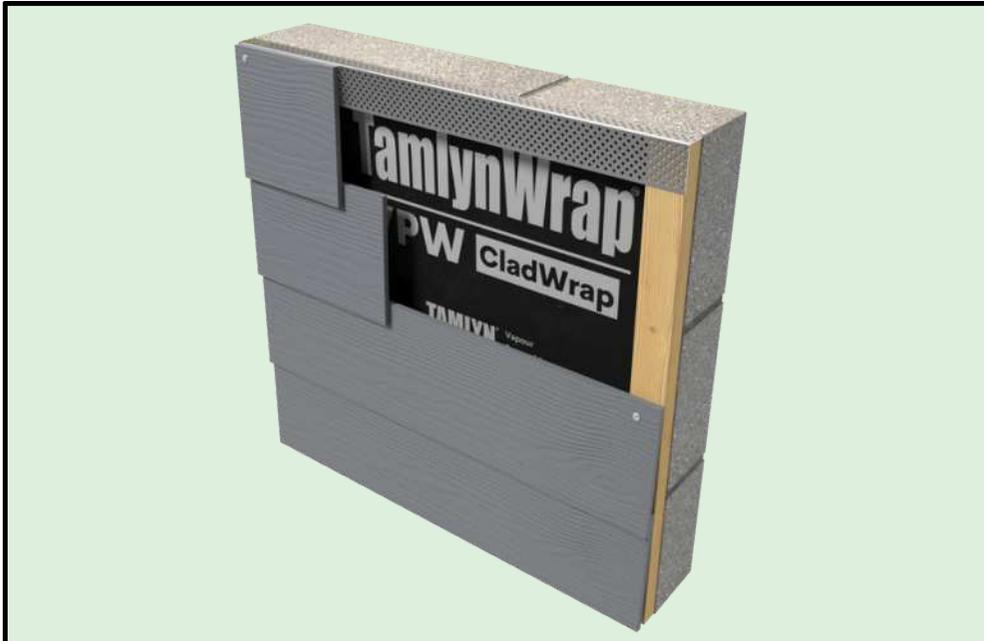


**Sill Profile**



**Vertical Joint Profile**

# Installation



## Vent Strip



The top vent should be screwed or nailed to the batten at the top of a plank project. They are designed to allow for air flow through the system whilst preventing access for birds, rodents and large insects.

Vent profiles should also be attached to each door, sill and window heads, to maintain continuous ventilation flow.



## Bottom Vent / Starter Strip



The bottom vent starter strip provides ventilation to the plank system and kicks out the first plank to align with the natural overlapping planks above. Over-sail the first plank by 10mm to achieve this.

The first plank must be a minimum 150mm away from the ground to avoid water absorption.

# Installation

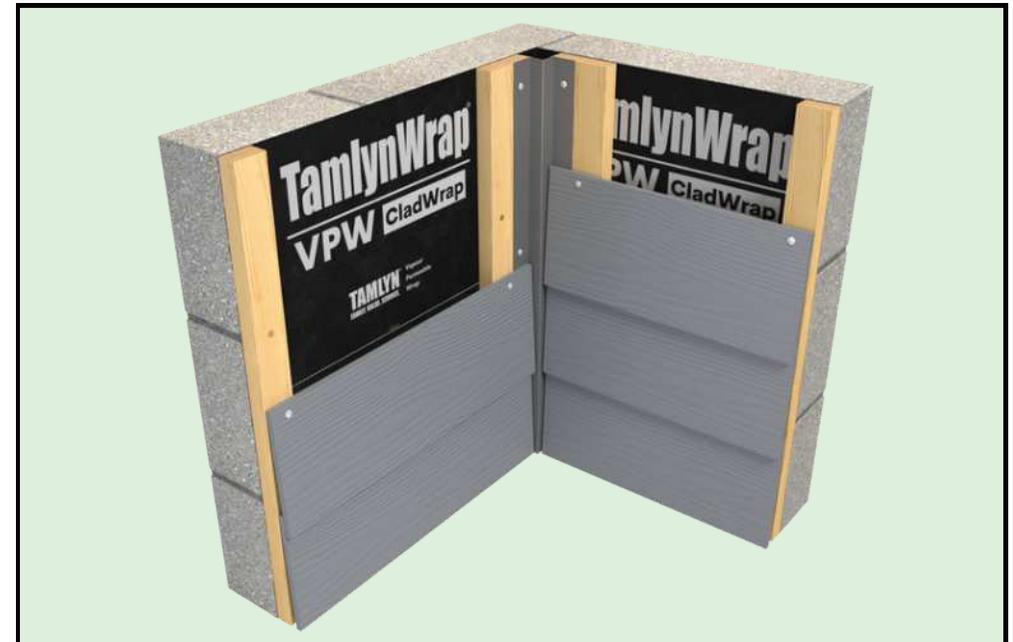


## 90° External Corner



The 90° external corner profile can be used to neatly finish corner detailing. Do not butt the plank up to the corner end. There must be a 5mm minimum clearance gap left to allow for proper water drainage.

Fix the profile to the batten using Tamlyn's stainless steel panhead screws as standard.



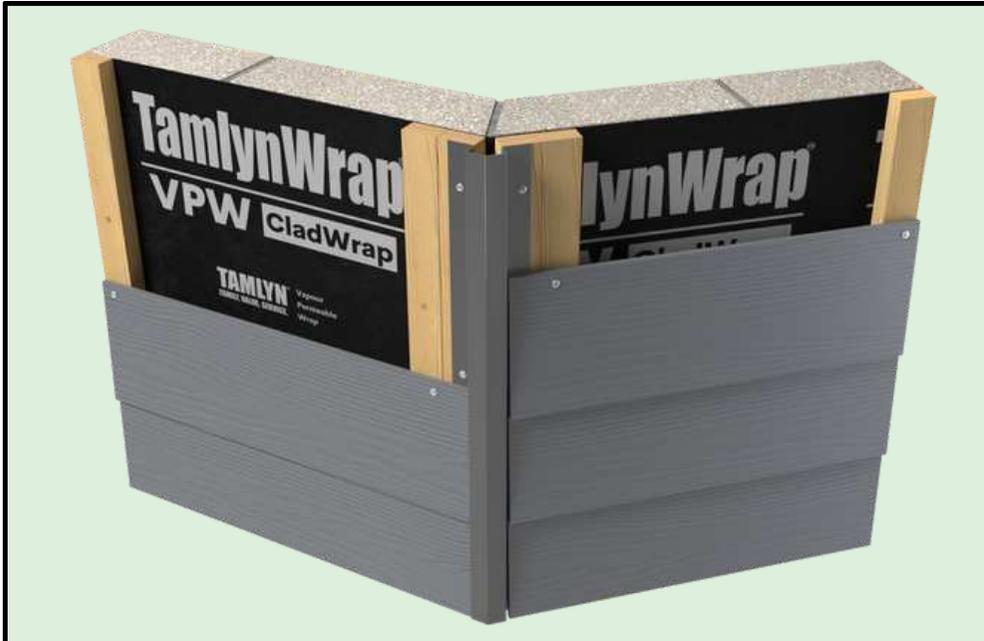
## 90° Internal Corner



The 90° internal corner profile can be used to neatly finish corner detailing and fitted in the same method as its counterpart. Do not butt the plank up to the corner end. There must be a 5mm minimum clearance gap left to allow for proper water drainage.

Fix the profile to the batten using Tamlyn's stainless steel panhead screws as standard.

# Installation

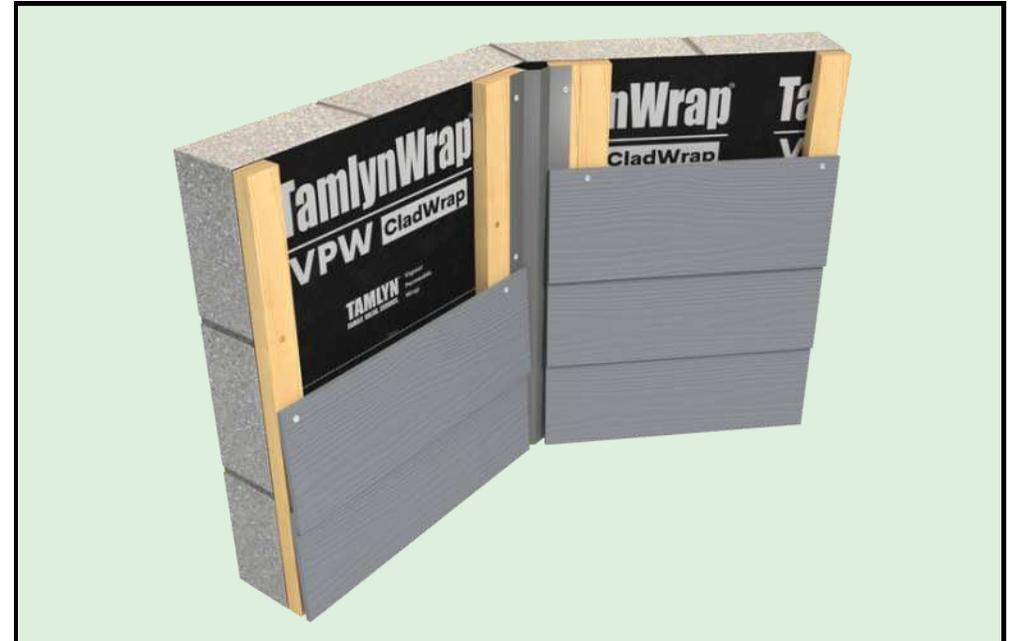


## 135° External Corner



The 135° external corner profile is ideal for use around bay windows whereby an obtuse angle is required. Allow for a 5mm clearance gap to ensure proper water drainage.

Fix the profile to the batten using Tamlyn's stainless steel panhead screws as standard.



## 135° Internal Corner



The 135° internal corner profile is the counterpart to the 135° external corner, used for detailing around bay windows. Allow for a 5mm clearance gap to ensure proper water drainage.

Fix the profile to the batten using Tamlyn's stainless steel panhead screws as standard.

# Installation



## 90° Asymmetric Corner



The 90° asymmetric corner is a great solution for detailing around window reveals. Its design allows for planks to be overlapped down the front of the profile. Into the reveal section, the trim has a shortened leg designed to accept a single piece of cut-plank which forms the reveal. 5mm drainage gap to be left as standard.



## End Profile



The end profile is a multi-purpose trim. Its primary purpose is to neatly terminate a run of plank. It can also be used for detailing around windows and doors, and used to corner sections. Its 'L' shape allows for a return section where plank can be recessed. This creates a much more aesthetically pleasing look as oppose to butt jointing.

# Installation



## Window / Head Flashing



The window / head flashing is used to form a drip over windows, doors, garages etc. It's used to direct water away from the building as well as keeping the aesthetics consistent throughout the system. Used in conjunction with the Tamlyn top vent, it must be located 10mm minimum from the structure to ensure adequate ventilation path.



## Vertical Profile



The vertical profile is an alternative window reveal option to the asymmetric corner. Instead of using cut-plank in this detail, the vertical profile itself is designed to return into the reveal to create a consistent coloured aluminium finish. Do not butt plank up against the leg of the trim, allow for a 5mm gap for water channelling.

# Installation



## Sill Profile



The sill profile is a long lasting and durable solution as oppose to using plastic in this application and keeps the aesthetic consistency throughout the system. It's used in combination with the Tamlyn top vent (below the sill). Install the sill 10mm minimum above the plank below to ensure adequate ventilation space.



## Vertical Joint Profile



The vertical joint profile is used for connecting planks together where the run is greater than 3.6m in length. This connection method is an alternative to a typical staggered butt-jointing of planks. Allow for 5mm expansion and water drainage. Fix using Tamlyn stainless steel panhead screws as standard.

# Installation

## Step 6 - Fix bottom vent starter profiles

When installing the bottom vent starter profile it is vitally important that it is fixed on a level plane with either nails or screws. The starter profile will angle the first board into position to ensure that the appearance is correct with the rest of the installation.

## Step 7 - Cut and fix Tamlyn Xtreme Plank

### A. Horizontal

Decide on your horizontal laying pattern

- Straight or butt jointed
- Free pattern (with extra care required for joints)
- Semi pattern or broken bond

Place the first Xtreme Plank onto the bottom vent starter profile. Ensure that the board is fixed to every batten it crosses. The end of every board must also coincide with a batten. Lengths of over 400mm must be fixed to at least 3 battens.

Fixings must be a minimum of 20mm from the horizontal of the Xtreme Plank.

Overlap the next board by 30mm, fix into place then continue fixing board up the wall using the same method.

Each board must be fixed at least once to every support. Allow at least 150mm between bottom edge of the board and the ground. Fixing is done through the upper edges of the board.

There is no side overlap, the boards are loose butt jointed against one another with the joint coinciding with a timber support.

### B. Decide on your vertical laying pattern

- Lapped: Xtreme Plank should be overlapped by 30mm and all fixings will be visible on the face of the board.
- Flat: Place the first board onto a level 'L' profile, fix backed to the horizontal batten.
- Undulated: Xtreme Plank is laid based on an overlap pattern of 30mm.

When installing Xtreme Plank vertically, we recommend it is installed as a cross batten system with both vertical and horizontal battens at a maximum of 600mm centres. This allows full air flow behind the board as well as creating fixing points. Please call our technical team for information on all profiles required.

## Step 8 - Jointing of Xtreme Plank

When joining two Xtreme Planks, fix both boards to one batten. Please be sure the EPDM gasket is already installed to the battens as this will provide a protective strip against moisture ingress.

Boards should be loose butt jointed together, do not use force.

## Step 9 - Finishing top of wall details

The fixings on the top board will remain visible, therefore we recommend the use of colour matched Tamlyn Xtreme coloured screws in order to achieve best results.

# Installation

## Step 10 - Abutments and gables

If the Xtreme Plank abuts another material and no end trims are required do not allow the end of board to be more than 100mm past the last fixing point.

If a gable end has a triangular abutment, fix the board both top and bottom to the batten that is parallel to the roof slope in order to prevent potential curling.

## Step 11 - Corner options

There are several options for finishing internal and external corners.

### A. Overlapping corner

Overlap corners can be formed by two overlapping boards, however this exposes a cut edge which would require painting to match the overall finish of the Xtreme Plank. Alternatively a Tamlyn external corner profile could be adopted.

### B. Mitred corner

In order to achieve a mitred cut on a 90-degree corner, the Xtreme Plank should be cut 23mm longer on the bottom and 13mm longer on the top than the dimensions of the corner of the support battens. Cut the boards at an angle of 44 degrees through the full depth of the board. It is common practice to mark at 45 degrees and then undercut the Xtreme Plank.

When cutting at different corner angles, dimensions and angles should be recalculated and tested to ensure they're correct.

## Step 12 - Coastal location information

When installing Xtreme Plank in coastal areas we recommend that additional fixings are used to reduce the chances of board movement. Consult Tamlyn Technical Services for recommendations on stainless steel fixings.

## Touch Up Paint

Xtreme Plank touch up paint is available in 0.5 litre quantities for all colours.

The paint should be used sparingly on small scratches and used on all cut edges. Use either a sponge or small headed paintbrush to apply touch up paint.



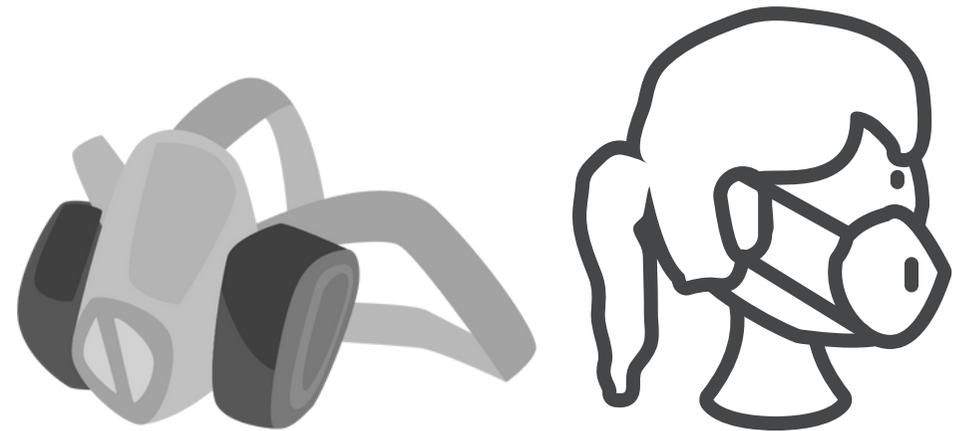
## Safety

When processing Xtreme Plank dust can be released which can cause irritation to airways and eyes. Long term exposure to any dust can be harmful to health.

The dust created may contain crystalline silica which can pose a health risk. To ensure adequate ventilation, always work outdoors and use cutting tools that minimise dust.

If ventilation is not adequate to limit exposure, wear a disposable respirator or air purifying cartridge respirator fitted with a Class P2 filter (European EN 143 standard).

For more information, please contact Tamlyn Technical Services.



## Efflorescence

As with all cement based materials, efflorescence (Lime Bloom) can occur but this is only a temporary aesthetic problem. It will not cause any damage to the performance of the weatherboard.

Efflorescence is caused by the ingress of water behind the boards which dissolves salts contained in the board. This salt water can then pass through the boards and result in salt deposits being left when the water finally evaporates.

Inadequate storage and installation are the key causes of efflorescence. When installing or storing Xtreme Plank in very wet conditions water retention can occur between the board. We recommend that you follow our storage and handling information in order to reduce the chance of efflorescence and maintain the appearance of the boards.

The length of time that these salt deposits will remain depends on the quantity of salts and the weather conditions that the boards are exposed to. Rain and wind will help contribute to the removal of these deposits. Alternatively, carefully using warm water and a soft brush or cloth can help speed up the removal and regain the desired appearance. Extra care and attention should be taken in order to ensure no damage is caused to the painted surface. The use of pressure washers should be avoided. If the above is proving ineffective then the salt deposits can be removed by wiping a 9.5% acetic acid over the surface. We recommend a small patch test first to ensure no damage will be created to the painted surface. Without allowing the solution to dry, leave it on for a few minutes and then wash away with lots of cold water without allowing run off's to touch unaffected areas. This can be repeated if required.

## Maintenance

With normal UK weather conditions, Xtreme Plank does not require a great deal of maintenance to maintain its strength, properties and function. Environmental impacts may, however, influence the visual appearance. It is, however, best practice to complete an annual inspection of the façade to ensure the integrity of the ventilation gaps, fixings and joints and action any required maintenance to prolong overall life expectancy.

For coastal locations with generally more aggressive salt laden moist air and wind driven sand more frequent inspections and general maintenance may be required with particular attention to corners around doors and windows and façade corner details especially when they face the direction of prevailing winds.

Xtreme Plank can be cleaned with cold or tepid water with the addition of very mild household cleaning products (no solvents or bleach) using a soft cloth. Washing should commence at the top and work down the façade in a structured manner. All washed areas should be rinsed with clean water and as with all similar applications, a small non-visible test area should be completed first. It is considered best practice to clean the board at least once a year. High-pressure jet washers and strong detergents should never be used.

# About Us

TAMLYN was established in May 1971 by Ron Tamlyn, Sr. with \$800 borrowed money and help from his wife, Jean, in a small shed in the back yard of their modest home in Bellaire, Texas. From a small shed, TAMLYN became a multi-million dollar, international business with a product line to match. In 2017, Tom Tamlyn became CEO and Miguel Gonzales now leads TAMLYN as President and COO. Our history is one of quality, innovation, and proven performance. We are proud to represent the manufacturing end of the building products industry, and remain a competitive manufacturer committed to making quality products. Tamlyn are now present in four continents across the world, North America, South America, Asia and Europe.

## Tamlyn's Mission

To become a world-class and world-wide supplier of quality building products. We will help build the dream of better homes and buildings, continually innovating, while honouring our heritage as a family business that values all employees, making Tamlyn a rewarding place to work. We will promote positive, lasting relationships with customers, providing excellent products at fair prices with superior service. We commit to be good stewards of our resources to leave Tamlyn in a stronger position for the next generation, passing these values on.

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# Other Accessories

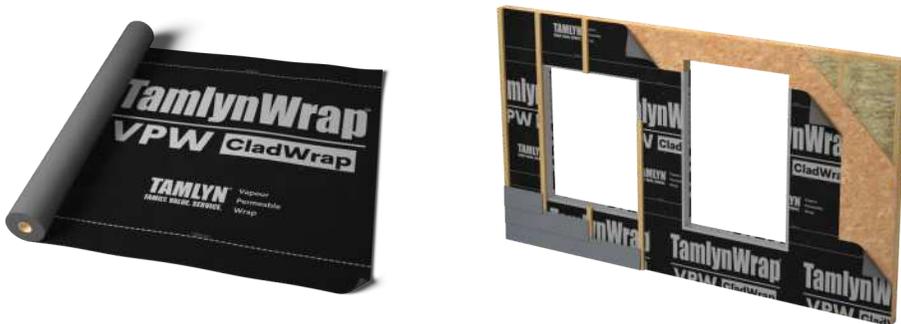
## ReflectaFlame

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.



## VPW CladWrap

VPW Cladwrap is a W1 waterproof, black house wrap. It's high head of water resistance and 3 layered composition means it's ideal for use in exposed locations.



## Corner Caps

Corner caps are a great accessory to complete the aesthetics of any cladding project where external corners have been used. They neatly cap-off the tops and bottoms of external corners to eliminate any risk of large nesting insects from entering the trim. The ribbed design allows for the cap to be gently push-fitted into place for a snug fit.



## Joint Flashing

Use to reduce moisture penetration behind the joint where two planks butt together, and drain water over the top edge of the last full course of cladding. A1 fire rated pre-coat aluminium with paint system that is specifically formulated for long-term domestic and commercial applications.

