VasternTimber
Brimstone® Poplar Cladding

Overview

The Brimstone® range is created by thermally modifying fast-growing British hardwoods to produce durable, stable, and consistent timber, which is ideally suited to exterior cladding applications. The range includes poplar, ash and sycamore.

Brimstone Poplar is sourced from plantation-grown trees originally cultivated for the matchstick industry. Poplar is a highly effective environmental cleaner, absorbing large amounts of water and carbon dioxide during its rapid growth.

Technical Specification

Produced to comply with the harmonized standard for construction products regulation BS EN 14915:2013+A2:2020 and to conform to BS8605-1:2014 External timber cladding: Method for specifying.

Wood Specie

British poplar *(Populus Hybrid)*

Origin

Legal and well-managed forests in England and Wales. UKTR Compliant.

Process

Thermal modification

Intended Use / Use Class (BS EN 335)

External wall cladding (above ground), generally classified as Use Class 3

Other Uses

Fencing

Grading (BS EN942:2007) (BS1186-3)

Clean with occasional small sound knots.
All other defects removed. (BS1186-3) Class 1. (BS EN942:2007) J20.

Surface Finish

Machined / smooth

Orientation

Vertical or horizontal

Thickness

20mm

Width

70mm, 95mm, 120mm & 145mm

Tolerances

Thickness +/- 0.5mm, width +/- 1mm

Lengths

Random 1.5 – 3.0mt+

Moisture Content

Thermally modified. 5 – 8%

Durability (EN350-2)

Durable Class 1

Insect Attack

Resistant. Prone to wasp stripping.

Desired Service Life (BS8417)

60 years

Movement Cclass

Small

Resistance to Impact

Low

Resistance to Fixing

Low. Thermally modified wood is relatively brittle.

Mean Density

350 kg / M3

When to Fix

No restrictions

Recommended Fixings

Fix with stainless steel ring shank nails or screws.

Battens

Durable, thermally modified or green treated softwood 40 x 45mm at 400–500mm centres. Plus 25–40mm x 45mm counter batten for vertical cladding.

Circularity

Supplied without surface coatings or added chemicals.

Screw fix for easy deconstruction and replacement of damaged boards.

End of life – Recycle, burn or compost.

Working Properties

Care should be taken when cutting and nailing to prevent chipping and break out. Pre-drilling is essential. Use PU type glues. PVA type glues do not perform well. Otherwise treat as a normal hardwood.

Extractives

The modification process uses no added chemicals and removes most natural compounds in the wood. Some brown colouring may leach out during the first few rainfalls..

Emission of Formaldehyde (EN14915)

E1 (Not significant)

Reaction to Fire (EN14915)

Euroclass F (Untested). D-s2, d0

Fire Retardant Treatment / Coating

Possible

UKCA Compliant (EN14915)

Yes

BRIMSTONE®

Product Appearance and Profile Diagrams →

Brimstone® Poplar Cladding

Appearance

Brimstone poplar features a rich chocolate-brown colour, a silky grain and areas of decorative bird's eye figuring.

Weathering
The modification process removes most natural extractives, resulting in more even weathering. Boards weather to grey within a few months. Small surface and end grain cracks may develop. Northerly elevations may grow mould and darken.



Brimstone® Poplar Cladding



Detail

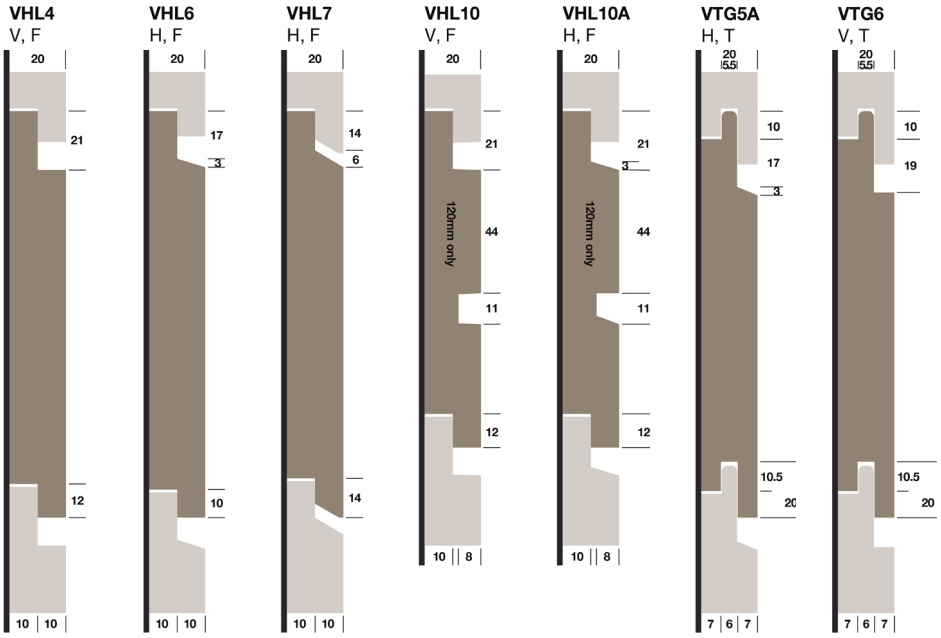
Installation

General Installation Guidance

- **Only use stainless steel fixings**
- Pre-drilling essential to avoid splitting.
- Allow min 2mm expansion gap between overlapping boards.
- Allow adequate air circulation behind cladding.
- Attach breather membrane between external face of building and battens.
- Allow min 10mm drainage gap at base of cladding.
- Install insect mesh to close off cavity behind cladding.

Popular Profiles

Find our full range online: **vastern.co.uk**



(V) Vertical orientation / (H) Horizontal orientation / (F) Exposed nail through face / (T) Hidden nail through tongue

Further Information

'Thermally Modified Hardwoods in Construction' CPD explains the thermal modification process, compares species and products, and explores the benefits of choosing British sourced products over imported products.

CPD CERTIFIED
The CPD Certification Service

While the utmost care has been taken to provide accurate information, Vastern Timber shall not be held responsible for any consequences arising from errors or omissions on this document, nor for any damages resulting from the use of the information.

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