



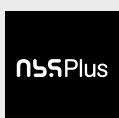
Brimstone® Poplar cladding



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

Brimstone® Poplar is produced from plantation trees grown originally for the match making industry. Poplar is a highly effective environmental cleaner, absorbing large quantities of water and carbon dioxide during it's rapid growth.

Brimstone® Poplar is produced from the clean butt of the tree where the wood is straight grained and relatively knot free. The texture is silky and made more attractive by the regular 'birds eye' pips.



Produced to comply with the harmonised standard for construction products regulation BSEN14915:2013 and to conform with BS8605-1:2014 External timber cladding: Method for specifying.

Trade Name	Brimstone® Poplar
Base timber	English poplar
Species	Populus (Hybrid)
Process	Thermal modification.
Origin	Legal and well-managed forests in England and Wales. GIB certified.
Intended use	External cladding
Other uses	External joinery
Appearance	Consistent dark chocolate brown colouring with a silky grain pattern and regular birds eye pips. The colour is further enhanced by the application of a tinted oil such as Osmo UV resistant oil.
Weathering	The modification process removes most natural extractives resulting in relatively consistent weathering largely free of staining. Weathering to a grey colour occurs more quickly than on non-modified timber.
Profiles	All machined profiles
Dimensions	20 x 70mm, 20 x 95mm, 20 x 145mm
Lengths	Random. 1.5 – 3.0mt+
Moisture content	2-4% (Moisture content is stable in exterior conditions)
Natural durability (EN350-2)	Durable* Class 2 (Based on European testing)
Insect attack	Thermally modified wood is resistant to insect attack when used above ground contact.
Desired service life (BS8417)	Occasionally wet 60yrs* Frequently wet 30yrs*
Treatability class	Resistant
Movement class*	Small (Negligible)
Resistance to impact*	Low
Resistance to fixing	High. Modified wood is brittle and should be treated with care.
When to fix	Year round. Very stable in all conditions.
How to fix	Face fix or secret fix with stainless steel ringshank nails. Pre-drilling essential.
Grading	BS1186-3 1990 Class 1. EN942:2007. J20. CE grade A. Clean with a few small sound knots.



Working properties

Thermally modified woods are more brittle than untreated wood. Care should be taken when cutting and nailing to prevent chipping and break out. Pre-drilling is advised. Test glues before large-scale use. Water based glues do not work well. PU glues have tested well. Otherwise treat as a normal hardwood.

Extractives

The modification process involves no chemicals and any natural chemicals in the wood are removed during the process. Thermally modified wood can be treated as inert.

Emission of formaldehyde (EN14915)

E1 (Not significant)

Reaction to fire (EN14915)

Euroclass F (Untested). D-s2, d0

Fire treatment

Untested

CE compliant

Yes



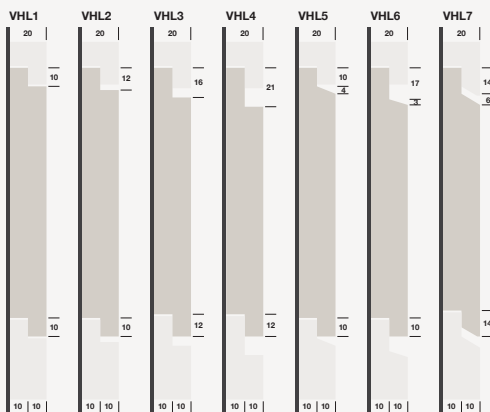
The Grown In Britain Standard assures that wood is sourced from legal and well managed British woodlands.

*Brimstone® products are currently being tested to establish accurate data for durability, stability and strength. For now we base our information on European and American testing of similar products.

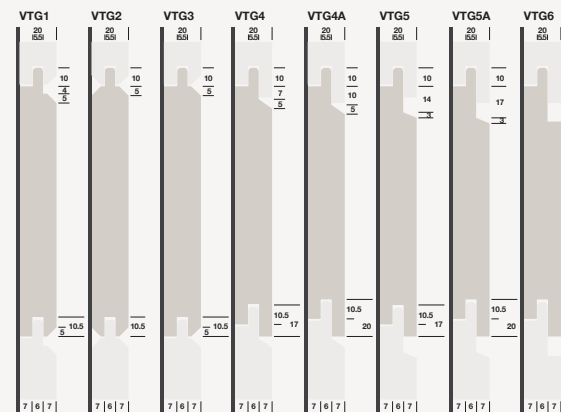
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Cladding profiles – machined range

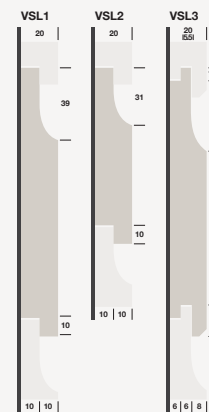
Halflap



Tongue and groove with a v-joint



Shiplap



Splayed



Visit our website for fixing details. Contact us for full technical drawings.

Vastern Timber

British hardwood sawmillers and timber merchants

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