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WeatherTone®

pre-finished plank system

Holly Green

Pine Forest

Granite

Slate Blue

Storm Green

Heritage Green

Light Grey

Almond

White

Cream

Sand

Khaki

Bright Cedar

Natural Cedar

Dark Oak

Walnut

Chestnut Red

VULCAN
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Due to printing limitations, colours shown are for guidance only

VULCAN

Lapboard 9" – Holly Green

Introduction

With the increasing use of decorative external cladding in new build projects and 'facade lift' older buildings, and the increase of lightweight, modular-framed construction and rapid dry systems, the need for a truly modern timber system as ***Weather*Tone**® has never been greater. Vulcan Cladding Systems has the weatherboard solution for every project and the experience to sort out the details.

Ideal in both commercial and domestic situations for lightweight weather protection, to replace failed timber and PVC cladding or simply as an attractive design feature; ***Weather*Tone**® provides the look and feel of timber cladding without the installation and maintenance problems associated with real wood.

Engineered timber is more economical with trees than real wood weatherboard because it uses the stump and branch, not just the quality heartwood of the tree. This system brings peace of mind and long term cost savings; where real wood splits and changes colour, with dark, streaky patches, ***Weather*Tone**® is stable and colourfast - a truly modern construction material.

Contents

Lapboard 6" – Sand

*Weather*Tone®

pre-finished plank system

Applications

Suited to any commercial or domestic new build or refurbishment project where external weatherboarding is required, ***Weather*Tone**® is ideal for:

- Conservation areas to give traditional appeal
- Overcladding and lightweight rainscreen
- Fascia / soffit new build and renovation
- Modern construction (concrete, steel or timber-framed buildings)
- Factory-produced buildings, park homes or garden offices

Advantages

***Weather*Tone**® offers considerable advantages to both builders and end-users:

- The appearance of solid wood without knots, voids or imperfections
- Consistent and well defined cedar woodgrain
- 17 standard colours including 2-tone wood colours
- No fading, mellowing or darkening with the sunlight
- Full range of colour matched trims and accessories
- Durable, engineered with added resin, wax and alum
- Strong and dimensionally stable; will not crack, dent, split or warp
- No timber selection to avoid defective wood; makes fixing quicker and cheaper
- Can be cut just like ordinary timber weatherboarding
- Less waste than with real timber products
- Moisture resistant
- Treated to resist insect and fungal attack
- Excellent warranties of a modern construction material
- Sustainable and recyclable
- Re-paintable surface

Product range

The planks are 3660mm long (12'), available in up to 17 colour options in 4 styles:

- Shiplap 280 mm cover (1.02m²)
- WideVee 280 mm cover (1.02m²)
- Lapboard 9" 199 mm cover (0.72m²)
- Lapboard 6" 119 mm cover (0.44m²)

***Weather*Tone**® has the ideal choice for every project. The system includes a complete range of colour matched accessories for every stock plank: exterior grade caulking, aluminium powder coated corner posts, drip trims, joints and vent sections. The standard aluminium corner post range is extensive, including woodgrain texture. Special colour matched angles and trims can be manufactured to order. Customers should reserve stock at an early stage of the project.

Manufacture

***Weather*Tone**® production process takes high quality wood grain from cedar and maple (using the entire tree), breaks these down into 100% natural wood fibres, combines them with a 1.5% mix of resin, wax and alum, and compresses them under extreme heat and pressure. The surface treatment consists of 5 separate coats of acrylic paint (environmentally safe water-based formula) baked on at high temperature.

Environment

***Weather*Tone**® is manufactured with commitment to green issues. Produced with100% sustainable forestry-certified timber it uses the entire tree including stump and branch (real timber cladding uses only the heart of mature trees and the rest of the tree is discarded). ***Weather*Tone**® timber based planks and aluminium trims are fully recyclable.

ANSI Accredited Program PRODUCT CERTIFICATION ANSI Accredited Certifier 0747

PEFC

SUSTAINABLE FORESTRY INITIATIVE

Lapboard 9" – Almond

Installation

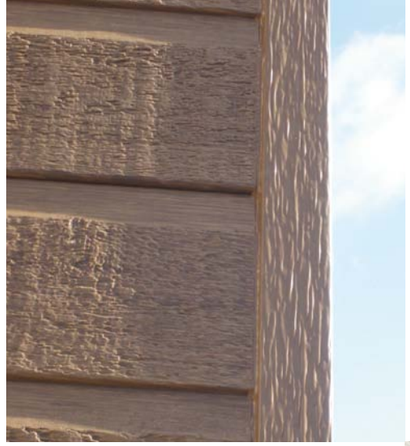
***Weather*Tone**® is easy to fit, using ordinary carpenters' tools. Battening and breathable membranes must be used, providing a fully ventilated cavity, allowing the cladding and the building to breathe. The system must be properly installed as shown in this brochure. Vulcan can assist with any unusual details or any other advice. The beauty of the system is...no site painting and no re-painting. When the cladding is finished, fit the downpipes and floodlights using course-threaded screws; then strike the scaffolding, and go.

Maintenance

A twice yearly wash should be carried out using warm water and mild household detergent, followed by a rinse with clean water. Abrasive cleaners, chemicals and solvents must not be used. Clean by hand, not with a pressure washer. ***Weather*Tone**® is also re-paintable if you want to change the colour; prepare the surface with a light abrasive and use good quality acrylic paint.

Warranty

***Weather*Tone**® has limited warranties of 25 years on the substrate and 15 years on the factory paint finish, subject to correct installation and cleaning. For full warranty details contact Vulcan sales office.



Shiplap – Dark Oak. Optional woodgrain corner.

Lapboard 9" – Light Grey

Shiplap – Natural Cedar

natural

Lapboard 6" – Sand

Shiplap – White

Lapboard 6" – White

Contact: Sales and technical enquiries

Tel: 020 8681 0617
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Web: www.vulcansystems.co.uk

maintenance free

prefinished

Shiplap – Natural Cedar

Shiplap – Natural Cedar

guaranteed

Shiplap – White

Lapboard 6" – White

rapid installation

interlocking

Lapboard 9" – Almond

Lapboard 9" – Almond

Shiplap – Dark Oak

Shiplap – Chestnut Red

WideVee – White

WideVee – Dark Oark

durable

Lapboard 6" cladding; WideVee soffit – White

Batten installation

For *Weather*Tone® weatherboarding, like any ordinary timber planking, continuous airflow from bottom to top is vital for the long term stability of the product and battens.

We have illustrated some typical situations on domestic and commercial properties which will help architects and builders understand the simple requirements. If these are not adhered to, the warranties will be invalid and costly adjustments will be necessary. Vulcan can accept no responsibility for incorrect installation.

Sequence of work

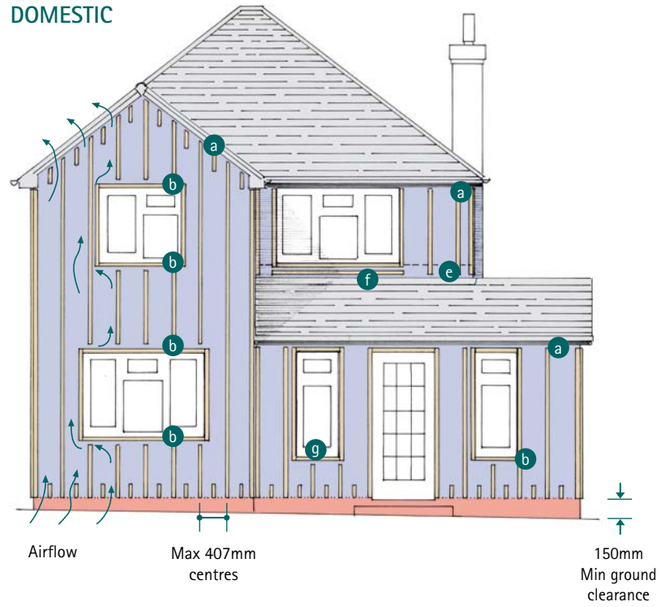
1. Establish cladding "base line" minimum 150mm above ground level.
2. Attach membrane to the building.
3. Fix corner battens and pack to bring to vertical.
4. Using string lines, pack the battens to create a straight facade.
5. Fix battens around door/window openings and pack to string line.
6. Fix intermediate battens at maximum 407mm centres with ALL details as instructed below.
7. Fix extra battens 200mm long at the bottom.

NOTE: for ***Weather*Tone®** WideVee fixed with vertical grooves, battens should be fixed at 280mm centres, i.e.: one vertical batten per board. Detail instructions below must still be followed.

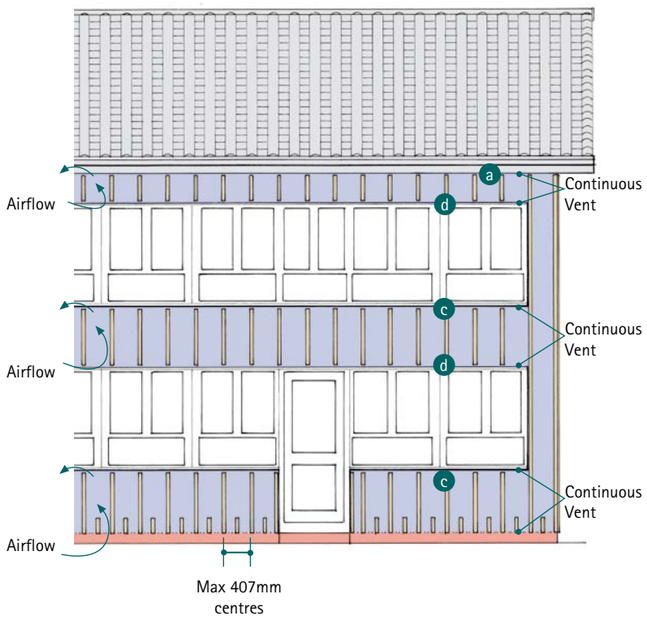
Batten instructions

- **a** Below soffit – cut vertical battens 10-15mm short and fit flymesh. On gable soffit add short vertical battens to support angle cut planks.
- **b** Windows **less than 2m long** - frame with battens. Cut vertical battens 50mm short above and below to allow airflow around the window.
- **c** Below windows **longer than 2m**, cut vertical battens 10-15mm short and fit flymesh (no horizontal battens below window).
- **d** Above windows **longer than 2m**, cut vertical battens level with window head and fit flymesh (no horizontal battens above window).
- **e** Above lean-to roof, leadwork should be installed before breather membrane and battens. Vertical battens to be cut 50mm above the roof level.
- **f** Shallow detail below windows - always ensure full airflow i.e. with horizontal batten as shown or short vertical battens as b.
- **g** If board fixings coincide with the airflow space, add extra short battens.

DOMESTIC



COMMERCIAL



Use this continuous vent detail on all windows over 2m wide

Plank installation

Prior to fixing *Weather*Tone®

Store outside under a waterproof sheet or in an unheated building so boards can acclimatise. Store on flat pallet supplied. *Do not install faulty or damaged planks.* When all battening is solidly fixed and flymesh ventilation passages are complete, install *Weather*Tone® planking as below:

1. Fix all corner posts. The bottom of the corner should run past the battens: 20mm for Shiplap; 25mm for Lapboard.
2. Fix continuous starter strip to bottom of battens at 203mm (8") centres.
3. Firmly place the first plank onto the starter, ensure it is fully engaged; plank ends must always be supported by a batten. Allow 3-4mm caulking gap against corner posts.
4. Fix to the battens with stainless steel ringshank nails along top nailing groove at max 407mm centres. Nail heads should be flush, hidden by the next row.
5. Plank butt joints options (see page 15)
   - **a.** Vertical Joint: planks fixed in-line, in 3670mm bays; leave gap of 10mm between boards (detail 12).
   - **b.** Joint Moulding: staggered plank joints using Textured plank profile. Leave 9mm joint gap (detail 10).
   - **c.** Caulked Joint: staggered plank joints filled with colour-matched caulk; use isolator; see note on page 15 (detail 9).
6. Locate next row of planks using tongues on reverse side.
7. When engaged equally all along, push upper plank down firmly onto fixed plank. Use an off-cut and hammer down to fully connect back tongue. Do not crush tongues.
8. Keep dry - seal cut ends and joints immediately with caulking - and prevent water getting in on the reverse side.
9. Sleeve and seal ventilator grilles and/or holes though cladding to prevent warm, moist air from the building getting to the reverse.
10. Repair paint damage immediately with colour matched touch-up paint.
11. Countersink exposed fixings and seal with colour matched caulking.

Fascia / soffit fixing:

The fascia / soffit should be constructed with 18mm plywood fixed to rafters at 600mm c/c. ***Weather*Tone®** is then fixed with screws to 12mm thick plywood 'battens' at 300mm c/c to allow airflow behind the planks. Adequate ventilation must be provided in the eaves. Use touch-up paint on the reverse of the fascia board where visible.

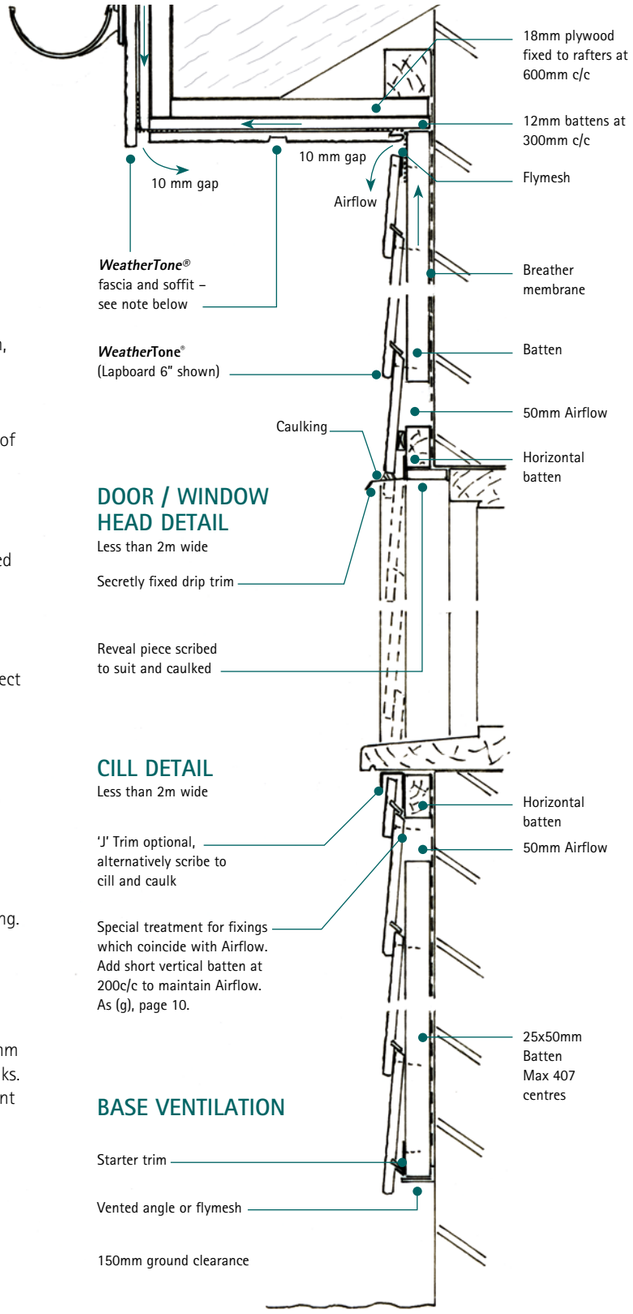
Flymesh and starter strip

Tap board to engage fully

Apply caulking

SOFFIT VENTILATION DETAIL

Includes window cills over 2m wide



DOOR / WINDOW HEAD DETAIL

Less than 2m wide

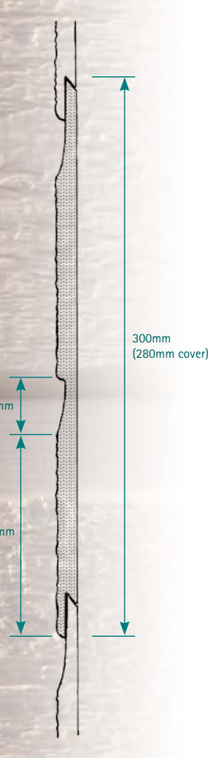
CILL DETAIL

Less than 2m wide

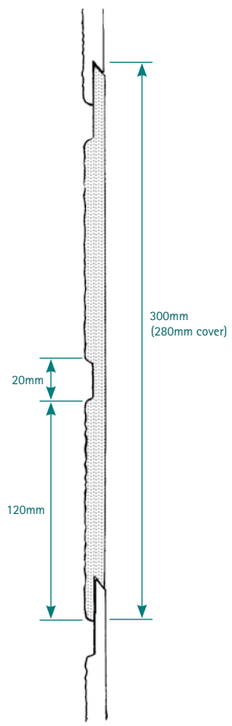
BASE VENTILATION

planks & accessories

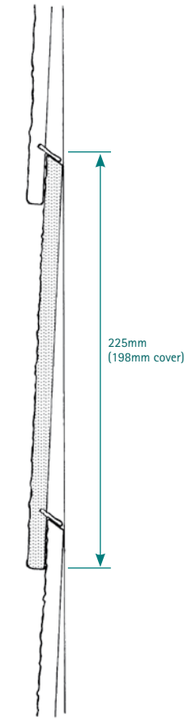
Shiplap
(1.02m² fixed)



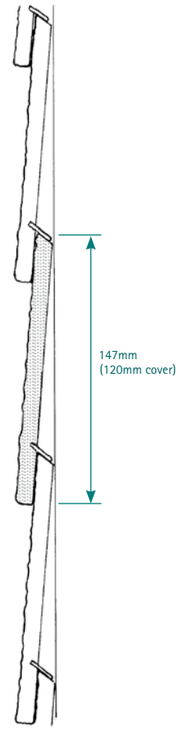
WideVee
(1.02m² fixed)



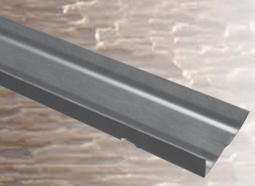
Lapboard 9"
(0.72m² fixed)



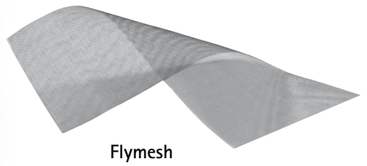
Lapboard 6"
(0.44m² fixed)



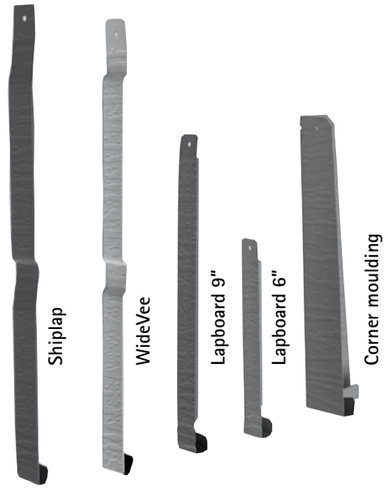
Vent strip
15 x 30mm



Starter strip
3mm long

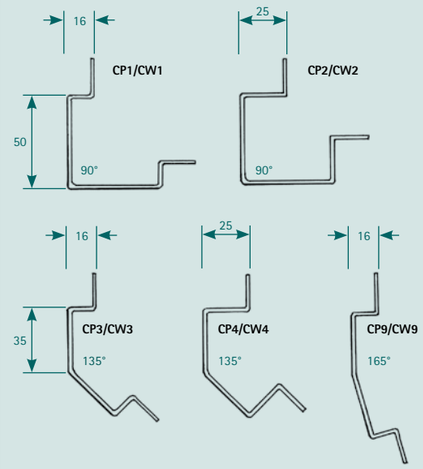


Flymesh



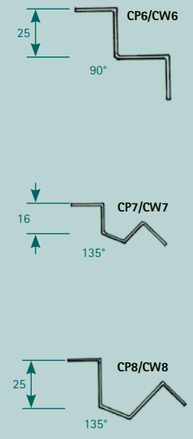
Colour matched trim sections – 3m long, available in smooth or woodgrain

External corner



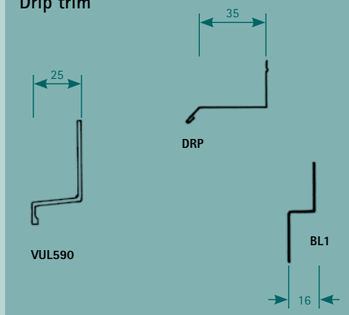
Other sections manufactured to special order

Internal corner



J-Trim

Drip trim

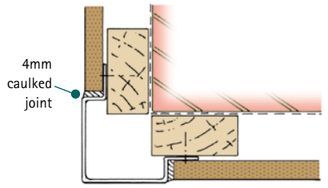


Products

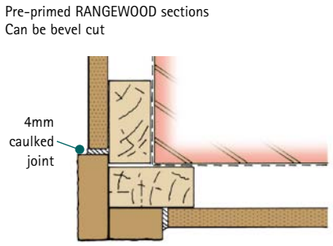
1. Weatherboard profiles, 3.66m
2. Colour range, see back cover
3. Fibre flymesh, 100mm wide
4. Plank joint mouldings
5. Exterior colour-matched caulking
6. Touch-up paint
7. Starter strip, 3m
8. Corner posts, 3m, smooth or woodgrain
9. Vertical plank joint, 50 or 75mm wide x 3.66m long
10. Stainless and galvanised ringshank gun nails
11. Stainless ringshank hand nails
12. Stainless screws
13. Drillscrews (steel fixing)

Corners and abutments

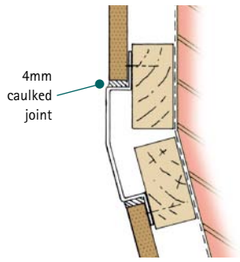
External corner post



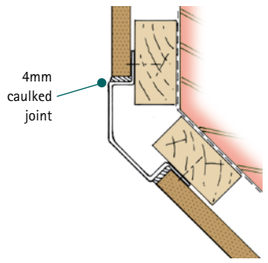
1 **90° Corner Section**



3 **90° Corner Section**

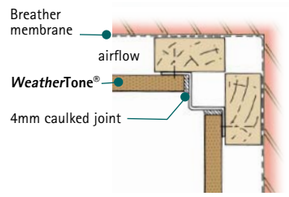


5 **165° Corner Section**

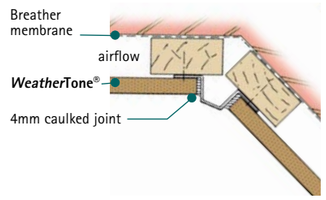


7 **135° Corner Section**

Internal corner details

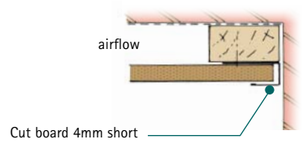


2 **90° Internal Corner Pressing**

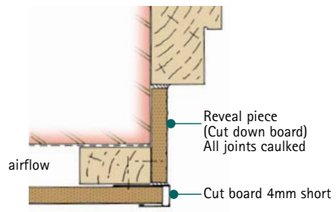


4 **135° Internal Corner Pressing**

J-trim details



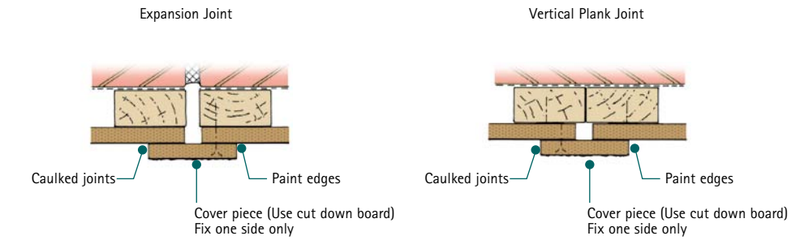
6 **Wall abutment**



8 **Jamb detail**

Plank joint details

9 **Staggered Joints** 10



11 **Continuous Vertical Joints** 12

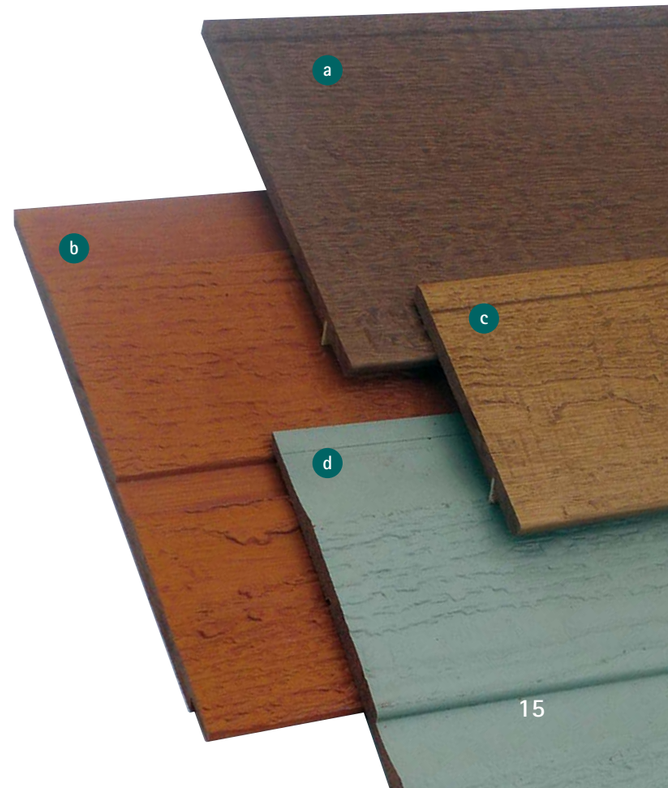
Caulked joints

The colour matched caulking should be applied immediately after fixing. Joint gap should be 9mm between planks; 3-4mm against corners or trims. Care should be taken due to fast cure times.

To make the product easy to use, store in a dry area between 10-30°C. Apply foam isolator tape behind boards, so the caulking is bonded to the 2 ends only.

- Ensure that surfaces are clean and free of dust, grease or silicone etc. Use a standard silicone gun. Cut caulking nozzle square and slightly wider than joint.
- Apply caulking with a uniform pressure to fill space between boards, forming a slight bulge that will level when dry.
- Extra caulking may be required after the first application has dried, or due to movement with weathering.

Planks pictured:
a. Lapboard 9" – Dark Oak
b. WideVee – Bright Cedar
c. Lapboard 6" – Natural Cedar
d. Shiplap – Heritage Green



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