A-lign®
by claymark

A-lign Specifications

Bevelback Weatherboard

BRANZ Appraised
Appraisal No. 536 [2017]
Appraisal No. 537 [2017]

claymark®

Ingrained Precision
in everything we do

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Scope

The A-lign Cladding Solution – Direct Fixed can be used for the cladding specification of light commercial and domestic buildings where the:

- Building is within the scope limitations of NZBC Acceptable Solution E2/AS1, Paragraph 1.1.
- Risk score is 0-12 calculated in accordance with NZBC Acceptable Solution E2/AS1, Table 2.
- Building is situated in NZS 3604 Wind Zones up to and including Very High.
- Cladding solution uses the A-lign accessories and Quickflash flashings given in this specification.

The A-lign Cladding Solution – Cavity Fixed can be used for the cladding specification of light commercial and domestic buildings where the:

- Building is within the scope limitations of NZBC Acceptable Solution E2/AS1, Paragraph 1.1.
- Risk score is 0-20 calculated in accordance with NZBC Acceptable Solution E2/AS1, Table 2.
- Building is situated in NZS 3604 Wind Zones up to and including Extra High.

Building is situated in specific design wind pressures up to a maximum design differential ultimate limit state (ULS) of 2.5 kPa.
Cladding solution uses the A-lign accessories and Quickflash flashings given in this specification.

These specifications:

- Cover the installation of A-lign bevelback weatherboards as a complete cladding solution following the details given in this document and associated CAD files.
- Must be made specific to each building project by including only those clauses that apply and omitting those that do not apply.
- Are written as direct instructions to the contractor (it does not make use of the words 'should' or 'shall') and this format must be adhered to.

Note: The success of the cladding solution is partially dependent on the stability and accuracy of the framing which must meet the minimum standards set by NZS 3604.

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Renewable natural pine

The NZ radiata pine used in the A-lign timber cladding system solution is from renewable and sustainable plantation resources.

It is a remarkably versatile timber renowned for exceptional machining properties, durability and lightness.

Once finger-jointed they form products that exceed the pine's original physical and structural characteristics by over 400%.

This makes it a brilliant natural 'environmentally friendly' construction choice over alternative building materials made from non-renewable fossil fuels.

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Branz Impact Test

Impact resistance is a key criteria for cladding materials being used in the construction of schools and similar light commercial buildings not exceeding 10 metres in height. To meet regulatory and specifier requirements, A-lign timber weatherboards (18mm thick) were subjected to hard body high impact resistance tests performed by BRANZ. High density fibre cement weatherboard (16mm thick) were also included in these tests. A-lign timber weatherboard performed significantly better than the fibre cement weatherboard and, although the level of damage caused to both was small, the fibre cement weatherboard had a greater depth of ball indentation.

Independently assessed

A BRANZ Appraisal is a comprehensive independent assessment of building products and systems for fitness for purpose and Building Code compliance.

The A-lign timber cladding system solution has been vigorously assessed from manufacturing processes, through to fitness for purpose, durability, weather-tightness performance and structural capability over a drained and vented cavity.

Specifications for exterior cladding

1.0 Before application of the cladding

Before beginning installation of the A-lign Timber Cladding Solution ensure that:

- The framing complies with the requirements of NZS 3604 timber framed buildings.
- The framing is straight and within the tolerances allowed by Table 2.1 Tolerances of NZS 3604.
- The moisture content of the framing timber does not exceed 20%.
- Additional studs are included at internal corners where there is a cavity.
- The wall underlay complies with the requirements of Table 23 E2/AS1 and is installed in accordance with Section 5.0-5.4 of this specification.
- Window and meter box openings are framed out to give a 7.5mm minimum clearance between the reveal or window frame and the trimmed opening (5mm minimum finished clearance when window installed).

2.0 A-lign weatherboard

2.1 Bevelback weatherboard sizes

- 142 x 18mm
- 187 x 18mm

Lengths 6.1m and 7.2m

Bevelback base board sizes

- 142 x 25mm
- 187 x 25mm

Lengths 6.1m (7.2m by arrangement)

2.2 A-lign timber accessories

Note: A-lign accessories are finger-jointed, treated to H3.1 and primed and undercoated. The A-lign cavity batten is treated but not painted.

- A-lign prefabricated 102 x 102mm box corner in 5.4m lengths.
- A-lign pre-cut 36 x 18 mm scriber with pencil edge in 5.4m lengths.
- A-lign pre-cut 36 x 36mm internal corner scriber pencil edge in 5.4m lengths.
- A-lign pre-cut 42 x 36mm and 66 x 18mm transition scribers with pencil edge in 5.4m lengths.
- A-lign facing boards – available in 42, 66, 90, 116, 138, 185 x 18mm thickness in 5.4m lengths.
- A-lign bevelback tilting fillets – 42mm wide in 5.4m lengths.
- A-lign structural cavity batten – 45 x 19mm in 5.4m lengths.
- A-lign bevelled soffit eaves mould – 42 x 18mm in 5.4m lengths.
- A-lign weatherhead and sill mould – 42 x 30mm in 5.4m lengths.

2.3 Accessories by Quickflash

Use of Quickflash flashings are an integral part of the A-lign cladding system as defined in the CAD drawings. Select the flashings required.

Soakers are not part of the Quickflash range so should be purchased separately.

3.0 Detailing

A-lign bevelback weatherboard CAD details and computer generated 3-Dimensional construction diagrams are contained in the full A-lign technical manual.

4.0 A-lign on site

Arrange for delivery of A-lign timber weatherboards just prior to being required.

4.1 Storage

Note: Correct storage of weatherboards on site is critical.

A-lign weatherboards, structural cavity battens and accessories have been machined to fine engineered tolerances from finger-jointed clear wood base material with an equilibrium moisture content of 11% plus or minus 2%. If A-lign weatherboards, structural cavity battens and accessories are exposed to moisture before installing, as wood is hygroscopic and primers do not prevent moisture uptake, some dimensional swelling will occur and the ease of the system installation will be impaired. Correct storage of the weatherboards, battens and accessories is critical for ease of installation.

Specifications for exterior cladding

4.2 Handling

Do not tip the weatherboards from a truck. Either use a mechanical lifting device or unload the weatherboards by hand.

Do not drag weatherboards across the ground.

Always carry individual weatherboards with their long section vertical to avoid excessive bending.

5.0 Wall underlays

Note: A wall underlay is any material placed on the framing and behind the cladding to act as a second line of weathering defence.

Note: The selected wall underlay must have a serviceable life of at least 50 years.

Wall underlays include flexible materials, such as Kraft based papers or synthetic underlays, and rigid sheathings such as plywood or fibre cement board.

Wall underlays suitable for use with the A-lign Timber Cladding Solution are those meeting the requirements of Table 23 of E2/AS1.

Flexible wall underlays are suitable for us in NZS 3604 Wind Zones up to and including Very High. Rigid underlays are required in the Extra High Wind Zone and specific design wind pressures within the scope of this specification.

5.1 Flexible underlays

Note: Specify the actual name/insert specific manufacturer/ product of underlay you wish to have installed and select the specific installation instructions.

A wall underlay complying with the requirements of E2/AS1 Table 23 must be installed to the outer face of the wall framing.

Select one option from the following:

- Fire retardant Kraft paper (insert specific manufacturer/product).
- Heavyweight bitumen soaked Kraft paper (insert specific manufacturer/product).
- Absorbent synthetic wall underlay (insert specific manufacturer/product).
- Non-absorbent synthetic wall underlay (insert specific manufacturer/product).

For buildings with other than flush-stopped sheet internal linings or areas of unlined wall, the wall underlay must meet the air-tightness requirement of E2/AS1 Table 23.

Openings for windows, doors and meter boxes must have the opening trimmed with flexible flashing tape compatible with the wall underlay, as required by details in E2/AS1.

5.2 Rigid underlay installation

Note: Specify the rigid sheathing or rigid air barrier material to be used.

Support all rigid sheet edges with framing.

Fix in accordance with the sheet manufacturers instructions.

Use hot-dip galvanised fixings, except for bracing and sea spray zones where stainless steel fixings must be used.

Fit PVC or butyl 'Z' flashings along all horizontal joints of the rigid sheathing.

Fix rigid sheathing in place with sufficient fixings to resist wind loading (the sheathing will be finally held in place by the cladding fixings).

5.3 Flexible Underlay installation

Note: Select to suit the underlays.

Lay the Kraft-based building paper or synthetic underlay horizontally across the framing members with a minimum 150mm overlap at all joints.

Run material continuously around internal and external corners – do not join material at corners.

Install taut and ensure that there are no creases in the building paper.

Fix with clips or staples and tape in accordance with the underlay manufacturer's instructions.

Turn wall underlay into the framing all round windows, doors and meter box openings and tape the 'V' cut corners and the full width of the sill trimmer with compatible flexible flashing tape.

Cover the wall from bottom to top plate.

Repair all holes or tears in the building paper before commencing cladding installation. Ensure the building paper has not been exposed to the weather for more than the time allowed by the wrap manufacturer.

For installation under cavity battens install vertical or horizontal strips of plastic tape at 300mm centres and staple to the framing to prevent bulging where batten spacing exceeds 450mm centres.

6.0 Flashings

Note: Flashings as noted on the construction details must be provided and may be made from either sheet steel with a galvanized or zinc/aluminium alloy coating, aluminium or from stainless steel. They may be factory pre-finished if required. Refer to NZS 3604 section 4 or E2/AS1 Table 20 for durability requirements.

6.1 Supply

Flashings for use with the A-lign Timber Cladding Solution are those manufactured by Quickflash as detailed in the CAD drawings.

Where the A-lign cladding abuts a different cladding use flashings as shown in the A-lign CAD details.

Aluminium window head flashings are the responsibility of the window supplier.

6.2 Materials

Note: Select the appropriate material for the environment.

Select the flashing material from:

- 0.55 BMT galvanised sheet steel.
- 0.55 BMT zinc/aluminium alloy coated.
- 0.55 BMT galvanised sheet steel factory coated.
- 0.55 BMT zinc/aluminium alloy coated factory coated.
- 316 grade stainless steel.
- 0.9mm powder-coated aluminium for window head flashings – window head flashing by window supplier.

6.3 Fabrication and installation

Flashings must be machine bent accurately to the detailed profile.

Where necessary, site-cut each flashing to suit each circumstance and form stop-ends where appropriate. Fix flashings using compatible fixings and ensure that the building wrap is installed as shown in the A-lign CAD details.

Isolate zinc/aluminium alloy coated steel, galvanised steel and uncoated aluminium flashings from timber treated with copper-based treatments with a layer of kraft paper wall underlay.

7.0 Sealants

Note: Sealants are used to assist with weathering at joints and laps. Sealants must not be relied on for primary weather protection.

7.1 Materials

Sealant suitable for use with the A-lign Timber Cladding Solution is a (specify brand/manufacturer) sealant complying with E2/AS1 or a sealant covered by a valid BRANZ Appraisal used in accordance with the manufacturer's instructions.

8.0 Air seals

Note: Air seals are an essential element of the air barrier component of the cladding solution. They complete the air barrier by sealing between the building underlay and the door and window reveals and meter boxes. The air seal is formed by applying sealant over a backing rod to which the sealant will not bond or by using self-expanding polyurethene foam over a backing rod.

8.1 Materials

Backing rod: closed cell PEF rod of a diameter to suit the gap.

Air seal: acrylic latex or modified silicon sealant complying with ISO 11600 used in accordance with the manufacturer's instructions or low expansion self-expanding polyurethane foam in accordance with the requirements of E2/AS1.

Specifications for exterior cladding

8.2 Installation

Insert the backing rod into the gap between the window reveal/meterbox and the trim framing to the perimeter of the opening. Press in approximately 15mm.

Apply the sealant/expanding foam.

Trim off excess material.

9.0 Drained and vented cavities

Note: For designs following E2/AS1 a drained and vented cavity is required behind bevelback weatherboards when the weathertightness risk score for that building face exceeds 12.

The cavity is formed by fixing A-lign treated battens over the studs. A-lign cavity battens are to be structurally fixed in accordance with BRANZ Bulletin 475. Vermin proofing, which allows draining and ventilation, must be fitted to the bottom of the cavity.

9.1 Design

The cavity must be open to the exterior at the bottom of every second storey and across the tops of windows, doors and other penetrations such as meter boxes. Fit Quickflash cavity closures to prevent vermin entry.

9.2 Materials

Structural battens: A-lign structural cavity battens – 45 x 19mm are treated to H3.1.

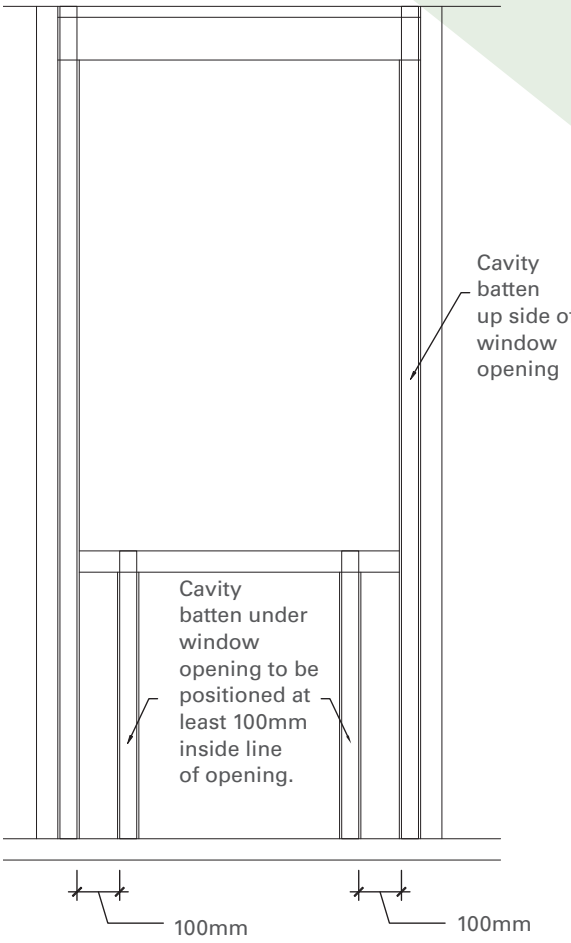
Cavity closure: zinc/aluminium alloy coated steel, aluminium or stainless steel supplied by Quickflash with a minimum ventilation area of 1000mm^2 per lineal metre of wall.

9.3 Fixing A-lign battens

Note: Refers to the fixing of A-lign structural cavity battens, over wall underlay, to the wall studs. This allows the A-lign bevelback weatherboard to be fixed directly to the cavity battens eliminating the need for larger fixings (refer 10.1 fixings).

Fix batten as follows:

- Over framing members.
- With a gap between battens at corners and below windows. Note that battens must be kept at least 100mm away from the line of the trimmed opening below windows.



- Where penetrations of the wall cladding (other than windows) are wider than the cavity batten spacing, allowance must be made for air flow between adjacent cavities by leaving a minimum 10mm gap between the bottom of the vertical cavity batten and the flashing to the opening.
- With no continuous horizontal battens below windows.
- Vertical battens continuous past the ends of head flashings.
- Fix A-lign structural cavity battens over wall underlay to studs with 60 x 2.80 hot dipped galvanised or stainless steel ring shank jolt head hand driven. 64 x 2.80 hot dipped galvanised gun driven/65 x 2.87 stainless steel ring shank gun driven at 300mm centres. Stagger fixings 12mm either side of the batten centre line.

9.4 Cavity closure

Fit continuous Quickflash cavity closure trim to the bottom of all cavities, including across the tops of openings to prevent vermin entry. Fix with 30 x 2.50mm galvanized flat head nails/clouts at 400mm centres.

10.0 Fixing A-lign bevelback weatherboard

Note: Select the appropriate fixings for the installation – whether direct fix or over A-lign structural cavity battens.

Note: In Corrosion Zone D (refer to NZS 3604 paragraph 4.2.3) all fixings must be type 316 stainless steel. Hot-dip galvanising must meet the requirements of AS/NZS 4680:2006.

10.1 Fixings

A-lign bevelback weatherboards fixed directly to wall studs: 75 x 3.15mm hot dipped galvanised or stainless steel ring shank jolt head nails.

A-lign bevelback weatherboards fixed to A-lign structural cavity batten: 75 x 3.15mm hot dipped galvanised or stainless steel ring shank jolt head nails.

Note: Nails must penetrate structural framing by a minimum of 35mm. Where structural battens are used the batten is part of the minimum 35mm penetration.

10.2 Fixing method

Note: Hand nailing is recommended by Claymark. Some gun driven fixings may bruise the surface. If the builder asks to use them it is important that they be tested to make sure that they do not damage the finished surface. A check should also be made as to the adequacy of the galvanised coating.

Note: It is important to use only one fixing per board per stud to allow for movement.

Fix each board with one nail per board at every stud or batten, locate fixing 42mm above the bottom edge of the overlap board to allow for expansion and contraction.

Start fixing weatherboards near the middle of the board and work outwards to the ends.
Pre-drill for fixings if within 50mm of the end of the board.

10.3 Setting out

Note: Movement across the width of A-lign bevelback weatherboards is not restricted by board rebates.

Minimum lap for bevelback weatherboards: 32mm.

Use A-lign pre-cut scriber as a storey-rod to locate the position of each successive board to ensure that scribers will fit accurately to weatherboards.
Keep dry for consistent measurement accuracy.

10.4 Fixing procedure for bevelback weatherboards

Establish the position of the bottom weatherboard or base board to give a minimum overlap of 50mm below the bottom plate or bearer.

Use either a standard A-lign bevelback weatherboard with an A-lign tilting fillet fixed to give the correct angle to the bottom board or the thick profile A-lign bevelback base board. The tilting fillet is not required with this option.

Fix the A-lign bevelback base board in place.
Cut the final board to fit to the soffit.

10.5 Joining weatherboard

Fix weatherboards in full wall lengths where possible. Make joints where unavoidable over studs or battens. Scarf the joint at 45o and use one fixing through the overlapping board.

Prime the cut-ends of scarf joints with Claymark End Seal aerosol primer, or with two coats of premium timber primer before fixing. Allow to dry between coats. Cover the joint with a flat soaker.

10.6 External box corners

Fit A-lign prefabricated 102 x 102 x 18mm external box corner with a minimum of 50mm cover over the weatherboards and fix with two, 50 x 2.50mm galvanised jolt head nails.

- 440mm centres for 142mm weatherboards (4 laps).
- 465mm centres for 187mm weatherboards (3 laps).

Fit an A-lign pre-cut 18mm scriber over the weatherboards, tight against the box corner and fix through pre-drilled holes with 60 x 2.80mm galvanised jolt head nails at 400mm centres.

Specifications for exterior cladding

10.7 External mitred corners

Prime the cut-ends of scarf joints with Claymark End Seal aerosol primer, or with two coats of premium timber primer before fixing. Allow to dry between coats.

Install either (select one):

- A 65 x 65mm Quickflash hemmed angle back flashing as detailed directly over the wrap.
- Soakers.

Join the weatherboards with a tightly fitting 45˚ mitre joint.

10.8 Internal corners

Install a 65mm x 65mm Quickflash hemmed angle back flashing over the wrap.

Scribe and notch alternate weatherboards or use the A-lign pre-cut 36 x 36mm internal corner double scriber.

Prime the cut-ends of scarf joints with Claymark End Seal aerosol primer, or with two coats of premium timber primer before fixing. Allow to dry between coats.

11.0 Window and door openings

Note: The integrity of the junctions at the interface of the cladding and the window and door openings is a vital part of the weatherproofing system. Care must be taken to ensure that the work is carried out correctly and that all flashings, weatherings and air seals are in place.

Note: This specification applies to the use of aluminium windows and doors that are in accordance with E2/AS1 paragraph 9.1.10. Use of bi-fold, sliding or other non-hinged windows and doors and timber windows and doors must be submitted to the Building Consent Authority as an Alternative Solution to NZBC Clause E2/AS1.

11.1 Aluminium windows

Aluminium windows installed into a A-lign Timber Cladding Solution must:

- Comply with NZS 4211 for the building location.
- Have a minimum 10mm flange covering the weatherboard trim.
- Incorporate scribers to the flange.
- Include a full width sill tray for direct fixed. Cavity fix requires window support bars for trim opening wider than 600mm. Refer to E2/AS1 – 9.1.10.5.
- Have window trimmed openings constructed as shown in E2/AS1 with flexible flashing tapes and air seals.

11.2 Timber windows

Note: Timber windows within a weatherboard cladding is not covered by E2/AS1 and must be consented by a BCA as an Alternative Solution.

Timber windows installed into a A-lign Timber Cladding Solution must:

- Have profiles in accordance with NZS 3610.
- Incorporate facings and scribers.
- Incorporate full width sill tray flashings.
- Have window trimmed openings constructed as shown in E2/AS1 with flexible flashing tapes and air seals.

11.3 Flashings

Flashing material and fabrication in accordance with section 6.0 of this specification. Stop-ends to finish at back of cladding.

Head flashings must have:

- 10mm stop-ends when used with a 20mm cavity.
- 15˚ cross fall.
- 10mm min cover to the window flange.
- 50mm min back upstand to give 35mm min cladding cover. (Refer to E2/ASI Table 7)

Fit sill flashing as detailed with stop-ends to all windows.

Sill flashings must have:

- A 5˚ cross fall.
- 35mm cladding cover at front downturn.
- 20mm stop-ends.
- A 5mm turn up to the back edge.

11.4 A-lign facings

Fit A-lign grooved facings with a minimum of 50mm cover over the weatherboards and fix with two, 50 x 2.50mm hot dipped galvanised jolt head nails.

Locate the fixings above the lap of the weatherboard at:

- 440mm centres for 142mm weatherboards (4 laps).
- 465mm centres for 187mm weatherboards (3 laps).

Fit A-lign pre-cut 18mm scriber over the weatherboards, tight against the facing and fix through pre-drilled holes with 60 x 2.80mm hot dipped galvanised jolt head nails at centres as above.

11.5 Air seals

On completion fit air seals around all window and door openings as specified.

12.0 Painting A-lign

12.1 Materials

A premium factory applied primer and undercoat has been applied in two separate coats. Site prime all bare timber surfaces and cut-ends with Claymark A-lign End Seal aerosol primer before fixing. Allow to dry between coats.

Finishing coats: 100% premium acrylic house paint (insert specific manufacturers product) as specified in Parts 7, 8, 9 and 10 of AS 3730.

12.2 Painting

Note: Resin bleed may occur from timber in hot conditions or where painted in dark colours. Adherence to the above specification will help minimise the problem.

Note: Primers cannot withstand exposure to weather for extended periods.

Note: Using light colours lessens the chance of distortion by reducing solar heat build up in the weatherboards.

Carry out all painting work in accordance with the appropriate clauses of AS/NZS 2311 Guide to Painting of Buildings.

Finishing coats to be applied after installation of the exterior sheathing, joinery and trim.

Prior to applying finishing coats ensure no moisture related dimensional swelling is evident by measuring profiles against original profile sizes. If swelling is present, delay finish coating until the timber profiles have returned to their original machined sizes.

Fill all nail holes with an exterior grade filler, sand to a smooth surface and spot-prime filled areas and wherever the coating is damaged.

Apply a minimum of two full coats of 100% premium acrylic house paint with a gloss level of 10% and a Light Reflective Value of 45% or greater (ASTM C1549 or ASTM E903).

13.0 General information

13.1 Handling

Store the product where it is dry and kept off the ground using bearers. If stored outside use a secondary waterproof cover but allow for good air circulation. When handling, take care to avoid any damage to surfaces.

13.2 Installation

Avoid scratching or marking of the board during installation and cutting. Prime the cut-ends of scarf joints with Claymark End Seal aerosol primer, or with two coats of premium timber primer before fixing. Allow to dry between coats.

13.3 Finishing

Remove all loose material, dirt etc. Spot prime exposed bare timber with selected premium timber primer, putty all nail holes, use a filler and sealants nominated as exterior type suitable for overcoating with 100% acrylic paint. Apply a minimum of two coats of 100% premium acrylic house paint as per instructions on the container.

13.4 Moisture

Tannin extracts (dark stains in the film) are a result of the board being allowed to get wet. This is neither a board nor paint issue as it is a result of excessive moisture, which infiltrates the board through not following these guidelines. After installation of the board it is recommended that the painter be allowed to complete the finishing work as soon as practical. Refer to 12.2 Painting.

13.5 Heat generating colours

Dark colours absorb heat from the sun. Light colours reflect significantly more heat. Testing has shown that dark colours can generate temperatures in excess of 85°C in direct sunlight whereas light colours under the same conditions can be as much as 35°C cooler. It is recommended that the chosen colour therefore has a Light Reflective Value greater than 45 (LRV of white is 95/100, LRV Black is 0).

Specifications for exterior cladding

14.0 Building maintenance

14.1 New construction

Building movement and settlement is inevitable. Paint coatings are affected by this occurrence whether it be concrete or timber substrate. It is important to deal immediately with new issues that are as a result of substrate movement – in the case of timber it is movement of the board. Make good these areas by priming and then touching up with the original, topcoat paint.

14.2 Regular washing

Exterior building surfaces benefit from being cleaned regularly. This is particularly important under eaves and overhangs. Mould, fungi and marine salts can have a detrimental effect on the paint coating and the substrate if left. Arrange to lightly wash all surfaces at least annually. This is particularly important in a marine environment.

14.3 Maintenance painting

When required use a premium primer and undercoat, followed by the topcoat originally selected. In some circumstances where maintenance is delayed for many months it may be required to make good the repair area and then fully coat the whole section because of the change in the appearance of the coatings. Loss of gloss, colour change etc. is normal for paint.

Mostly walls facing north will be subject to this requirement, particularly if maintenance is delayed.

It is however, beneficial for both the paint film and the substrate to apply another coat. This maintenance should be viewed as a positive outcome for both the paint, the substrate and your investment in the home/ building.

Building movement normally reduces over time. Experience has shown that areas that have been subject to maintenance in the main do not require further repairs providing the substrate is not subjected to continual movement.

As part of your maintenance, always check flashings, sealant and fastenings to ensure they do not permit the passage of water into the substrate. Left unchecked, water entry into the substrate can cause substantial damage which can become expensive to remedy.

Follow these instructions to ensure that your investment in A-lign natural solid timber products will stand the test of time.

For more information on A-lign call the Claymark Helpline on:

0800 25 44 61

Monday to Friday 8am–5pm

For more technical information and downloadable CAD and 3-D drawings, visit:

claymark.co.nz

A-lign Warranty

Warranty

Claymark Limited ('Claymark Ltd') warrants for a period of 15 years from the date of purchase that it's A-lign cladding and A-lign accessories (The 'Products'), will be free from production defects, and subject to compliance with the conditions below, will be resistant to cracking, rotting, and damage from borer attacks to the extent set out in Claymark Ltd's product literature current at the time of installation.

The A-lign Technical Manual sets out the approved and recommended methods for cladding installation. A copy of the A-lign Technical Manual is available from Claymark Ltd, phone toll free on: 0800 25 44 61 Monday to Friday 8am–5pm.

Conditions of Warranty

The warranty is strictly subject to the following conditions:

(a) The Products must be installed by a competent and qualified builder, strictly in accordance with the A-lign Technical Manual current at the time of installation, utilising A-lign components or products specified in the A-lign Technical Manual. Where the A-lign Technical Manual does not provide a suitable detail for installation of The Products then installation must be in accordance with best trade practice determined in consultation with the Territorial Authority and designer of the building works. Further, all other products, including coating and jointing systems, applied to or used in conjunction with
The Products must be applied or installed strictly in accordance with the relevant manufacturer's instructions and best trade practice.

(b) Claymark Ltd will not be liable under this warranty unless a written claim is notified to Claymark Ltd within 30 days of the defect becoming reasonably apparent.

(c) This warranty is for the benefit of the original owner of the building where the A-lign cladding has been installed. This warranty is not transferable to subsequent owners of the building.

(d) The Products must be maintained strictly in accordance with the A-lign Technical Manual. Further, all other products, including coating and jointing systems, applied to or used in conjunction with The Products must be maintained strictly in accordance with the relevant manufacturer's instructions and best trade practice.

(e) The building works in which The Product has been incorporated must be designed and constructed in strict compliance with all relevant provisions of the current New Zealand Building Code ('NZBC'), regulations and standards, and the Building Consent relating to the building works.

(f) The customer's sole remedy under this warranty is (at Claymark Ltd's option) that Claymark Ltd will either supply replacement Products, rectify the affected Products or pay for the cost of the replacement or rectification of the affected Products.

(g) Claymark Ltd will not be liable for any losses or damages (whether direct or indirect) including property damage, personal injury, consequential loss, economic loss or loss of profits, arising in contract or negligence or howsoever arising. Without limiting the foregoing Claymark Ltd will not be liable for any claims, damages or defects arising from or in any way attributable to poor workmanship, poor design or detailing, settlement or structural movement and/or movement of materials to which The Products are attached, incorrect design off the structure, acts of God including but not limited to earthquakes, cyclones, floods or other severe weather conditions or unusual climatic conditions, efflorescence or performance of paint/coatings applied to The Products, normal wear and tear, growth of mould, mildew, fungi, bacteria, or any organism on the surface of any Products (whether on the exposed or unexposed surfaces).

(h) All warranties, conditions, liabilities and obligations other than those specified in this warranty are excluded to the fullest extent permitted by law. This warranty does not exclude or modify any legal rights a customer may have under the Consumer Guarantees Act 1993. Unless otherwise specified in writing at the time of sale, Claymark Ltd assumes no liability for The Products being fit for any particular purpose under the Building Act 2004, other legislation or at common law.

(i) If any remedial work undertaken under this warranty involves re-coating of The Products, the customer acknowledges and agrees that there may be slight colour differences between the original and replacement Products due to the effects of weathering and variations in materials over time.

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claymark®

Ingrained Precision

in everything we do

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