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CREATE AND CONSTRUCT



CSR CEMINTEL™

TEXTURE COATING SYSTEM



FC:122



EXTERIOR CLADDING AND APPLIED FINISH SYSTEM

SEPTEMBER 2012

Cemintel™ Texture Base Sheet is a strong and easy to install cladding for lightweight stud wall construction. The Cemintel™ Texture Coating System provides an attractive, durable and weatherproof finish.

CONTENTS

DESCRIPTION	2
APPLICATIONS	2
ADVANTAGES	2
MATERIAL PROPERTIES	2
COMPONENTS	3 – 5
DESIGN CONSIDERATIONS	6 – 9
HANDLING, STORAGE & SAFETY	9
SHEET PREPARATION	10
FRAMING	11
SHEET FIXING	11 – 12
CONSTRUCTION DETAILS	13 – 16
JOINTING AND COATING SYSTEMS	16 – 19
SPECIALIST PROFILES	19
HEALTH & SAFETY	20
MANUFACTURED FOR LIFE	20
CONTACT DETAILS	20

DESCRIPTION

Cemintel™ Fibre Cement Texture Base Sheet is an autoclaved, cellulose fibre reinforced cement sheet.

Texture Base Sheet is light blue in colour and features a recess on the two long edges which facilitates concealed joint construction.

Once installed a proprietary coating system is applied to provide a seamless finish that is weatherproof, strong and durable.

APPLICATIONS

Cemintel™ Texture Base Sheet provides a solid substrate for applied decorative finishes.

Combined with the Cemintel™ Jointing and Coating System, it is suitable as a wall cladding for new homes, re-cladding of existing homes, extensions and upper storey additions for residential buildings.

Appropriate installation details are provided for wind loadings included in the scope of AS4055. For other applications please contact the CSR designLINK™ Technical Support Service.

ADVANTAGES

TEXTURE BASE SHEET

- Immune to permanent water damage
- Fire resistant
- Termite resistant

COMPLETE SYSTEM

- Lightweight construction
- Reduced construction time
- Seamless finish
- Provides a tough, durable system
- Accepts a wide range of colours
- Warranted jointing and coating system

MATERIAL PROPERTIES

Cemintel™ Texture Base Sheet conforms to the requirements of AS2908.2 : 1992 'Cellulose-cement products Part 2: Flat sheets'.

MANUFACTURING PROPERTIES

Mass 7.5mm thickness (nominal)	11.0 kg/m ²
Length	+0 to -4mm
Width	+0 to -3mm
Thickness	±0.25mm
Diagonals Difference (max)	3mm

FIRE RESISTANCE

In accordance with the Building Code of Australia, Part 3.7.1.2, Cemintel™ fibre cement sheets can be used wherever non-combustible material is required by the code.

Early Fire Hazard Indices for Cemintel™ Texture Base Sheet are:

FIRE HAZARD INDICES

Ignitability	0
Spread of Flame	0
Heat Evolved	0
Smoke Developed	0
Group Number	1
Average Specific Extinction Area	<250m ² /kg

COMPONENTS

CEMINTEL™ TEXTURE BASE SHEET

Cemintel™ Texture Base Sheets are supplied with a recess on two edges to assist concealed joint construction, and are available in the following range of sizes.

7.5mm Cemintel™ Texture Base Sheet		
Sheet Length (mm) nominal	Width (mm) nominal	
	900	1200
2440	✓	✓
2725	–	✓
3000	✓	✓

FASTENERS

To guarantee performance, only approved fasteners should be used in these systems.

- **Cemintel™ Fibre Cement Nails:** Hot-dip galvanised for softwood and hardwood framing. (Not suitable for coastal areas).



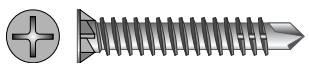
Product	Qty vv	Order N°
2.8mm x 30mm	2kg	77257

- **Stainless Steel Nails:** 2.8 x 30mm for softwood and hardwood frames. (Supplied by others).

For use in high corrosion zones, such as coastal areas. Refer to 'Design Considerations'.

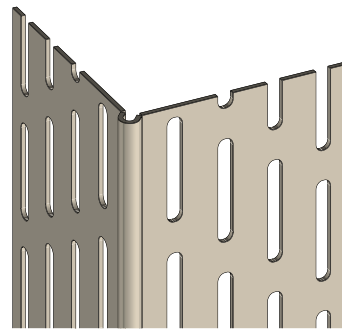
- **Screws for fixing Cemintel™ Texture Base Sheet to Steel Framing:** Class 3 finish. Suitable for coastal areas.

Steel Thickness	Product	Qty	Order N°
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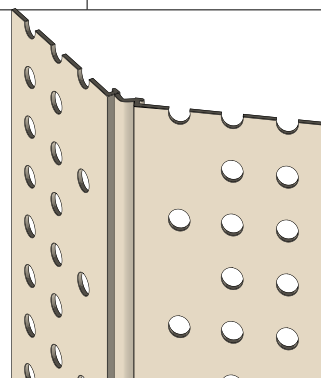
0.42 to 0.75mm BMT	Buildex FibreZIPS™ 9-18 x 30mm	1000	13165
0.75 to 1.6mm BMT	Buildex WingTek N°8 x 35mm	1000	26626

- **Trim-Tex Skim Coat Corner Bead:** Slotted PVC bead with UV stabilised coating. Used to reinforce external corners.



Order N°	Qty
12254	3.0m

- **Trim-Tex Magic Corner™ Internal Corner Bead:** Perforated PVC bead with expansion control for internal corners.



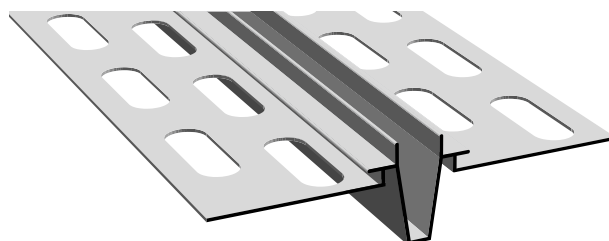
Order N°	Qty
10360	

- **Rondo EP17 Finishing Bead:** For use at edges around windows or door frames, the base of walls and where one wall intersects another. Corrosion resistant with a grey powder coat finish.



Order N°	Qty
60455	3.0m

- **Trim-Tex PVC Control Joint (72-093V™):** PVC moulding for use at vertical and horizontal control joints. Flanges act as a trowel guide and tear off strips prevent

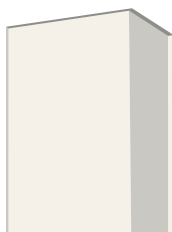


filling of the joint during texture coating.

Order N°	Qty
10350	3.0m

- **Corner Flashing:** PVC Angle used at internal and external corners.

Product	Order N°
50 x 50 x 2400mm PVC Angle	11205



- **Backing Rod:** 10mm polyethylene foam bead for use with sealants.



Order N°	Qty
11177	50m

- **Sikaflex Pro™ Sealant:**

Polyurethane joint sealant for filling control joints and gaps around windows, doors and other penetrations.



Product	Order N°
Sikaflex Pro™ 310ml tube – grey	11378
Sikaflex Pro™ 310ml tube – black	39488

- **Bond Breaker Tape:** Tesa Multifoam Tape N°7492. 25 x 48 x 3mm polyethylene closed cell foam tape for use behind sealant at control joints. (Not supplied by CSR).

- **Sarking:** Bradford foil products are used to provide insulation and moisture protection.



Bradford Product	Vapour Barrier Classification	Quantity	Order N°
EnviroSeal™ Wall Wrap	Medium	1350mm x 60m roll	10576
EnviroSeal™ Wall Breather	Low	1350mm x 60m roll	18666

- **Thermal Break:** 6mm x 38mm extruded polystyrene strip with R = 0.22. Required between steel framing and Cemintel™ Texture Base Sheet.

Order N°	Qty
104342	120 x 2.5m

- **Insulation:** Bradford products are used to provide insulation to meet required thermal rating.



- **Jointing Tape:** Cemintel™ External Jointing Tape is a 50mm wide PVC strip. It is used to create a strong joint at recessed edge joints of Texture Base Sheets.



Product	Order N°	Qty
PVC Non-perforated	101508	1 Roll 50mm x 50m
PVC Perforated	101509	1 Roll 50mm x 50m

- **Cemintel™ External Jointing Compound:**

A smooth, acrylic drying type compound designed to provide a strong joint. It is used at external corners and, with Cemintel™ External Jointing Tape, in the recess joints of the Texture Base Sheet.



Order N°	Qty
101548	15kg bucket
101549	6kg bucket

- **Cemintel™ Skim Coat:**

An acrylic drying type compound designed to remove imperfections around joints and fixings. It provides an evenly sealed surface for the subsequent Texture Coat. Available in Medium and Coarse.



Product	Order N°	Qty
Medium	101543	20kg

- **Hyde Jointing Knife:** Stainless steel 150mm trowel for applying the External Jointing Compound.



Order N°	Qty
11017	1

- **Cemintel™ Texture Coat:**

A white, high build acrylic coating. It is designed to deliver a 'rendered look' to fibre cement monolithic façades. Available in Medium and Fine.



Product	Order N°	Qty
Kalahari Medium	101546	20kg
Kalahari Fine	101547	20kg

- **Ragni Trowel:** Stainless steel 280mm trowel for applying Skim Coat and Texture Coat.



Order N°	Qty
11056	1

- **Puraclene Trowel:** Polypropylene finishing float used to remove trowel marks and create a uniform texture.



Order N°	Qty
13073	1

DESIGN CONSIDERATIONS

FRAMING

Stud spacing shall be in accordance with Table 3. Studs must have a minimum fixing face width of 38mm at sheet joints, otherwise additional support framing is required. Refer FIG 9 and 10.

Timber framing must comply with AS1684 'Residential Timber Framing Construction'.

Timber with an equilibrium moisture content of less than 16% at the time of cladding application must be used. Unseasoned timber prone to shrinkage must not be used.

Metal framing must comply with AS3623 'Domestic Metal Framing', and have a BMT of less than 1.6mm.

Timber or metal battens shall be fixed over hot rolled steel or cold rolled purlins, before sheets are fastened. Refer to 'Components' for appropriate screw information.

SHEET TOLERANCES

Cemintel™ Fibre Cement sheets are made to specific tolerances, refer to page 3. Ensure sheet layout is not overly sensitive to these variations, and does not result in an accumulation of tolerances at certain locations.

CURVED WALLS

Cemintel™ Texture Base Sheet can be used to form curved walls. Sheets can be installed horizontally or vertically. Begin fastening at the centre of the sheet, working towards the ends. Refer to Table 1 for information on forming curved walls.

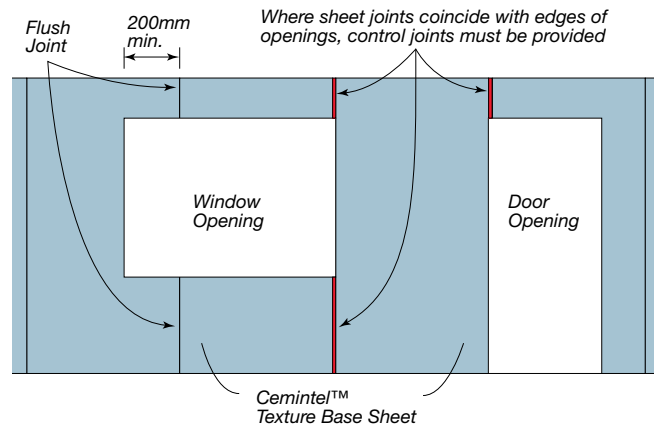
Table 1: Curved Wall Specifications

Specification	Horizontal Sheeting	Vertical Sheeting
Minimum Bending Radii Concave Wall Face (mm)	2400	6000
Minimum Bending Radii Convex Wall Face (mm)	1800	4000
Maximum Height of Wall (mm)	1200	3000
Maximum Stud Spacing (mm)	400	400
Maximum Fastener Spacing (mm)	200	200

CONTROL JOINTS

Where sheet joints coincide with the edge of an opening, provide a vertical control joint. Refer to FIG 13 and 14 for control joint construction.

FIG 1: Joints Coinciding with Openings



VERTICAL CONTROL JOINTS

Vertical control joints must be provided in walls at 5400mm maximum spacings and/or aligned with control joints provided in the structure.

Control joints must extend the full height of the cladding, and must be constructed in accordance with FIG 13 and 14.

A control joint must also be installed when a masonry wall adjoins framed construction, and at the junction of framed additions, to allow for differential movement. Refer to FIG 15.

HORIZONTAL CONTROL JOINTS

To allow for shrinkage and movement of the framing, a horizontal control joint must be installed at floor joist level and also at the junction of wall framing and roof framing at gable ends. Refer to FIG 2, 17, 18 and 19.

When a decorative cover strip is used at a horizontal control joint, the trim must only be fixed to the upper sheet. Clearance must be maintained between the trim and lower sheet, and this gap must not be obstructed by the coating system.

FIG 2: Typical Sheet Layout and Control Joint Locations

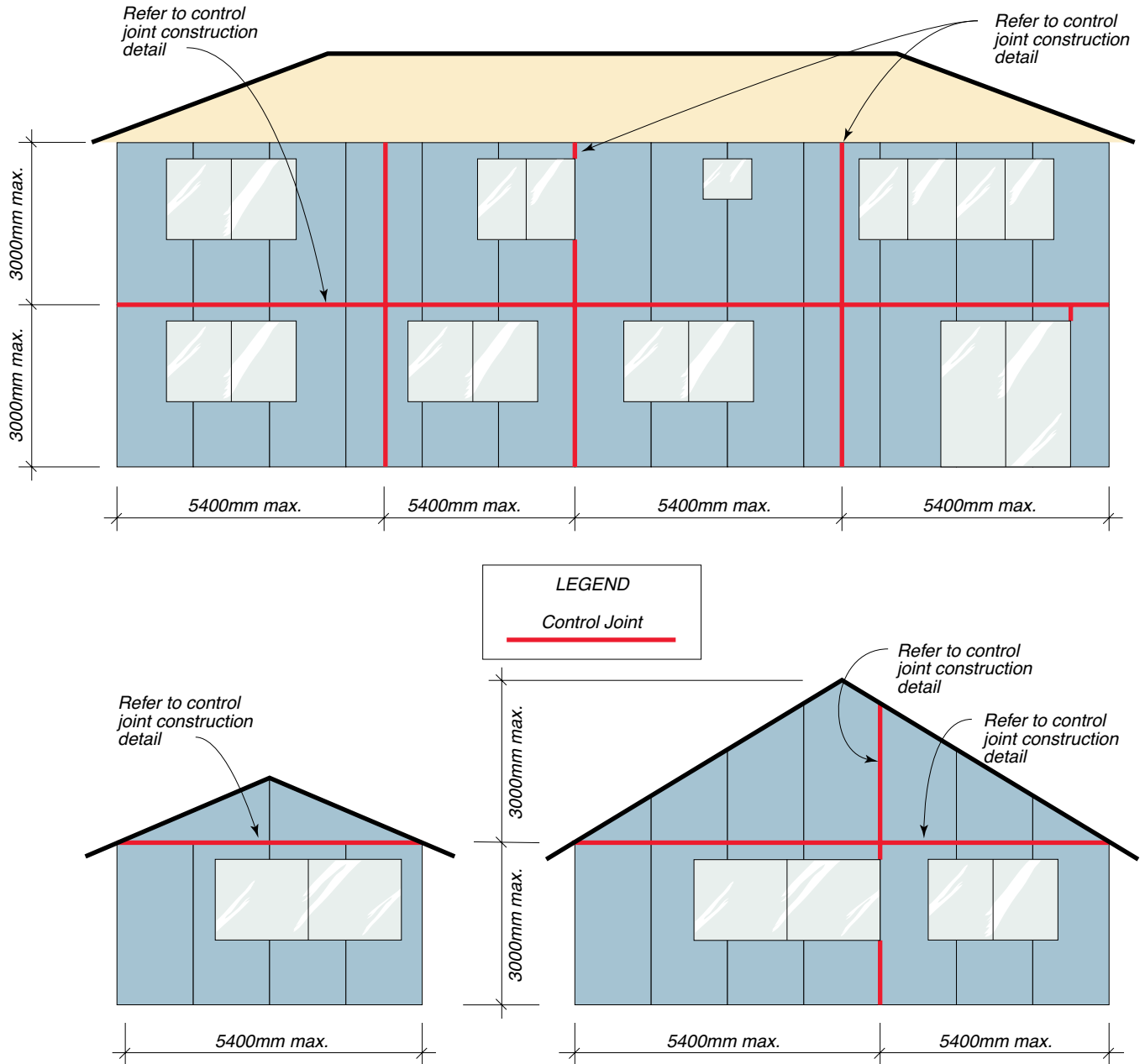
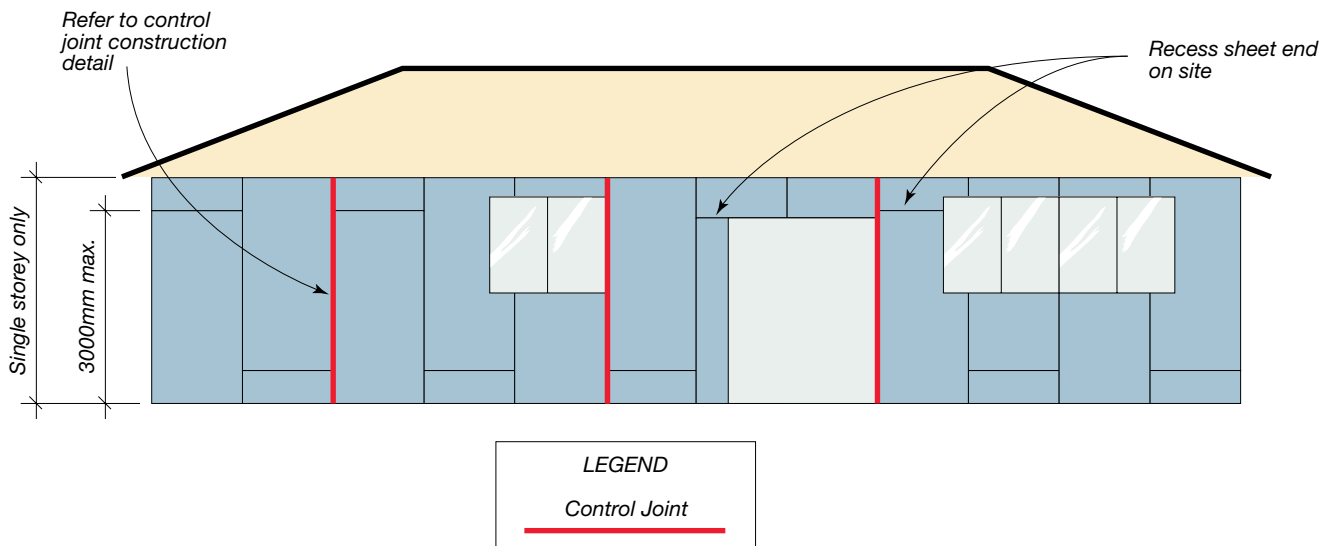


FIG 3: Sheet Layout for Single Storey Over 3000mm Height



BRACING

Cemintel™ Texture Base Sheet, when fixed vertically in accordance with this brochure, provides substantial bracing resistance. For further details refer to the brochure N°GYP545, Gyprock™ & Cemintel™ Bracing Systems.

Continuous packing strips may be used on studs to match the thickness of other sheet bracing material if required.

TERMITE PROTECTION

There is a wide variety of methods for managing termite entry to buildings, and selecting the appropriate method for any structure depends on specific risk factors and the form of construction. Measures for termite management have not been addressed in this guide.

Refer to your local pest management service, the BCA, AS3660, or your local building authorities for more information about the requirements for the design of a suitable termite management systems.

COASTAL AREAS

The Cemintel™ Texture Base Sheet system may be used in coastal areas, defined as up to 1km from a surf beach, or less than 50m from a shore without breaking surf. Consideration must also be given to local weather and topographical features that can cause an increase in the distance that salt spray can travel, extending these nominal limits.

To resist corrosion in these areas, salt laden air must be excluded from the cavity, for instance by lapping and sealing the flashing at corners and joins. All walls must be sufficiently exposed from above so that rain can perform natural wash down of the wall. Walls that are protected by soffits above must be washed down twice per year, to remove salt build-up. Ensure the correct fasteners are used. Refer to 'Components'.

Prior to the application of the external coating, wash down walls with clean fresh water to remove salt spray build-up from sheets and fixings. Sheets must be allowed to dry before coating.

SARKING

The use of sarking is highly recommended. Wind forces can produce lower air pressures within buildings than on the outside, assisting to force water through gaps in the building envelope such as around penetrations and joint locations, even at low wind speeds.

Sarking must be designed and installed in accordance with AS/NZS4200 Part 1: Materials, and Part 2: Installation. Recommended products are Bradford Enviroseal Wall Breather (Low vapour transmission resistance) and Enviroseal Wall Wrap (Medium vapour transmission resistance).

Condensation is a complex problem, and can occur under a variety of conditions, not just cold weather. Literature on this subject is available from CSIRO/BRANZ/ASHRAE and should be consulted when building in areas where condensation is likely to occur. In these cases, the appropriate use of a sarking as a vapour barrier or as thermal insulation, or both, can be effective in controlling condensation.

COLD CLIMATES

In cold climates where condensation in the wall cavity is possible, a vapour barrier is also recommended between the internal linings and the framing.

Cemintel™ Texture Base Sheets are not designed to be in contact with snow or ice build-up for extended periods, such as is experienced in alpine areas subject to snow drifts.

INSULATION

It is recommended that insulation materials be installed for energy conservation and occupant comfort. Insulation also improves the acoustic performance of the wall against outside noise.

The level of insulation provided in a wall is described by its total R-value. The higher the R-value the greater the insulation provided.

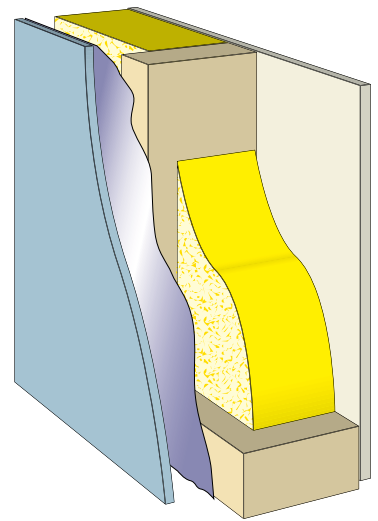
R-values for some systems have been calculated in accordance with the methods of the BCA and are given in Table 2.

Energy efficiency requirements for buildings are set out in the BCA as performance requirements and acceptable construction practices, and are dependant on geographical climate zones. To meet the requirements, it is recommended that CSR Bradford insulation be installed in the wall framing. Check with local building authorities for minimum insulation requirements.

When fixing to steel framing, a thermal break is required between the Texture Base Sheeting and the frame to meet the deemed to satisfy requirements of the BCA. The thermal break is used to ensure that the thermal performance of the wall is comparable to that of a timber framed wall.

Table 2: Insulation Selection

CEMINTEL TEXTURE BASE SHEET			
<ul style="list-style-type: none"> • 1 layer Cemintel™ Texture Base Sheet to the outside of wall framing. • Timber or (Steel Studs with thermal break) 90mm at 600mm maximum centres. • Wall wrap and insulation as per table below. • 1 layer x 10mm GYPROCK™ Plasterboard CD to the inside of framing. 			
Insulation	Sarking	Winter Total Wall R-Value	Summer Total Wall R-Value
(a) BRADFORD 75mm or 90mm Gold Wall Batts R1.5	BRADFORD ENVIROSEAL Wall Wrap	1.82	1.6
(b) BRADFORD 90mm Gold Wall Batts R2.0	BRADFORD ENVIROSEAL Wall Wrap	2.3	2.1

**NOTES:**

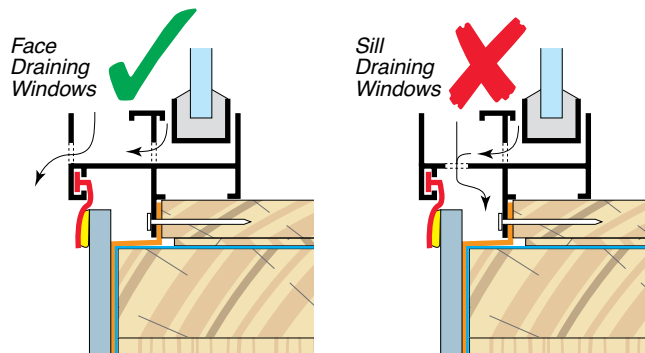
Values are sourced from ICANZ Handbook (W0211).

WINDOW SELECTION

The Cemintel™ Texture Base Sheet system is designed to accept standard aluminium or timber framed windows. Aluminium windows **MUST NOT** have sill drain holes which can direct water behind the cladding. Windows with face draining format **MUST** be used.

Jamb flashing is required in all cases, and for ease of installation, these should be included when ordering windows.

The Cemintel™ Texture Base Sheet system can accept many standard window types. One example is provided on page 16 of this guide. Other window types can be installed in a similar manner by varying the timber reveal depth to suit the overall wall thickness.

Window Drainage

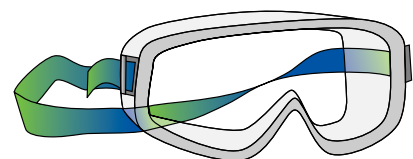
HANDLING AND STORAGE

All Cemintel™ sheeting must be stacked flat, off the ground, and supported on a level platform. Care must be taken to avoid damage to edges, ends and surfaces. Material must be kept dry, preferably by being stored inside the building. Where it is necessary to store sheets outside, they must be protected from the weather.

Sheets must be dry prior to fixing, jointing and finishing.

SAFETY

When cutting or grinding fibre cement sheets using power tools, always ensure the work area is well ventilated. An approved dust mask (AS1715 and AS1716) and safety glasses (AS1337) must be worn. CSR recommends that hearing protection be worn where appropriate.



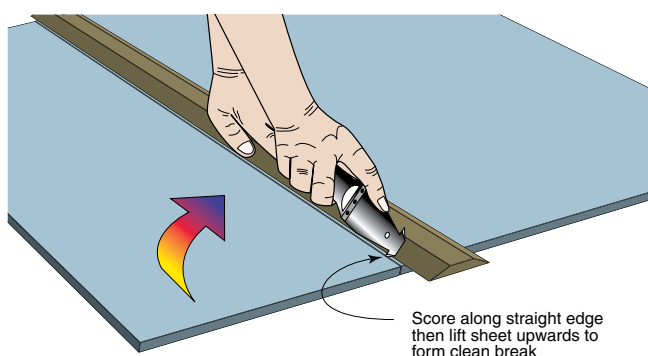
SHEET PREPARATION

CUTTING

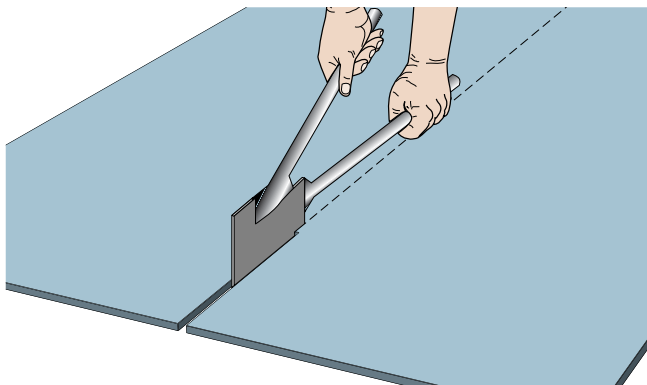
Cemintel™ Fibre Cement Sheets may be cut on-site using any of the following methods:

Tungsten Tipped Score and Snap Knife

1. Score face of sheet 4 to 5 times using a tungsten tipped knife against a straight edge.
2. Support the scored edge with the straight edge and snap the sheet upwards for a clean break.

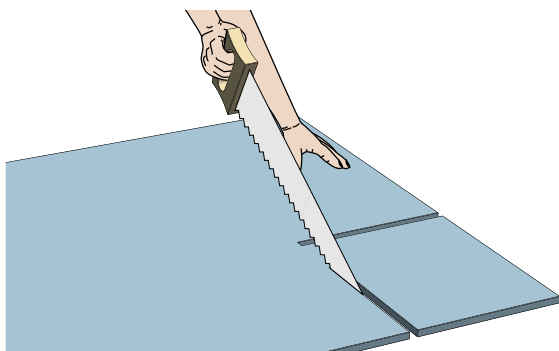


Hand Guillotine



Hand Saw

Preferably use an old handsaw. A quick jabbing action is best. Work with sheet face up to prevent burrs forming on the face.



Power Saw

When it is necessary to use power tools for cutting Cemintel™ Sheets, CSR recommends using the Hitachi Fibre Cement Power Saw Blade. This blade is specifically

designed for use with fibre cement and produces a superior cut compared to conventional blades.

It is ideal for use with the Hitachi C7YA dustless circular saw and other 185mm circular saws fitted with vacuum extraction systems.

Product	Order N°
Hitachi C7YA Dustless Circular Saw	10836
Hitachi Dust Extractor	10833
Hitachi Fibre Cement Power Saw Blade	10837



ON-SITE RECESSING

Where it is necessary to produce a ground recess on-site, a dustless angle grinder should be used. CSR recommends using the Hitachi Easy Bevel with vacuum extraction system, which fits most 125mm grinders, and produces a superior finish.

The recess should be approximately 2mm deep and 35mm wide.

Where edges have been site recessed, priming may be required if Cemintel™ Texture Coating is not used. Always follow the texture coating manufacturer's recommendations.



FRAMING

It is important to inspect the frame carefully for bowed, warped, or twisted studs, and for alignment of all framing members, including noggings. Check alignment of all framing with a long straight-edge. The maximum out of alignment should not exceed 4mm over 3000mm, 3mm over 1200mm or 2mm over 600mm, when checked both horizontally and vertically.

Correct any member alignment which exceeds this recommendation as Cemintel™ Texture Base Sheet cannot compensate for excessively misaligned framing and may still show an uneven surface after the coating has been applied.

Studs must have a minimum fixing face width of 38mm, and be spaced at maximum 600mm centres to ensure they match sheet widths.

Sheets may be fixed vertically or horizontally. If sheets are to be fixed horizontally, noggings must be positioned directly behind all sheet joints, and all sheet edges must be supported by framing members. Ensure all noggings are flush.

Correct design of the framework and careful consideration of the sheet layout to minimise joints will contribute to the long term success of the jointed wall system.

SHEET FIXING

Ensure sheets are dry before fixing.

Vertical sheeting is generally preferred as it can provide the following benefits:

- May provide structural bracing.
- Joints are generally less obvious after coating.
- Minimises sheet wastage.
- Noggings may be staggered.

Prior to fixing ensure that all joints will be supported by a framing member. Plan sheet layout so that wherever possible, full sheets are used and straight joints are formed using two recessed sheet edges.

Sheets must not be fastened directly to hot rolled steel sections, or purlin/girt sections, as this may result in joint failure. Refer to 'Design Considerations'.

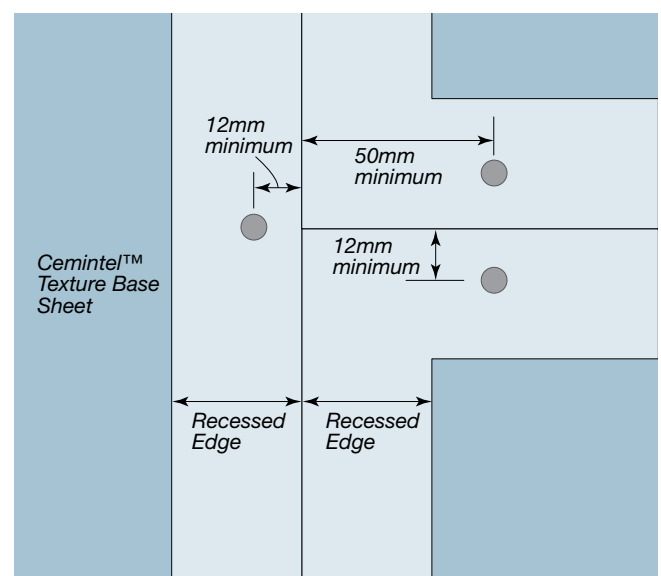
Sheets should be fitted edge to edge and tightly butted together.

IMPORTANT: For coatings other than the Cemintel™ Texture Coat system, the suitability of this joint configuration must be confirmed with the chosen coating systems manufacturer/installer prior to sheet installation.

FASTENER PLACEMENT

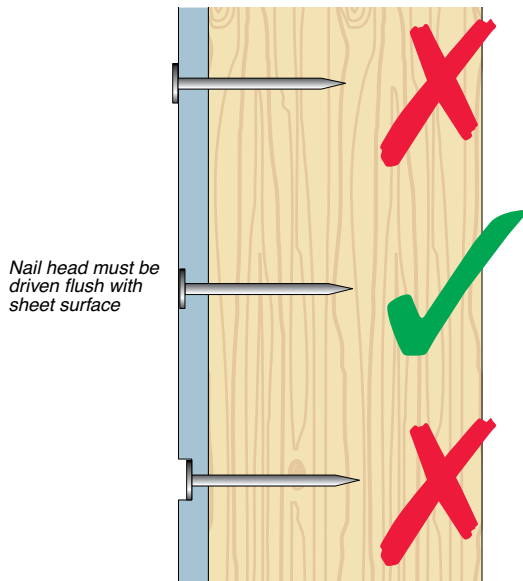
Fasteners must be positioned 12mm minimum from all sheet edges, 50mm minimum from all sheet corners as detailed in FIG 4.

FIG 4: Fastener Placement



Fastener heads must be driven flush with the sheet surface. Refer FIG 5.

FIG 5: Fastener Driving



Position fasteners at maximum spacings in accordance with Table 3 and FIG 6 and 7.

Table 3: Fastener Spacing

Wind Category	Within 1200mm of Building Corner		
	Stud Spacing max. (mm)	Fastener Spacing (mm)	
		'E'	'F'
N1 & N2	600	200	200
N3 & C1	600	200	200
N4 & C2	600	200	150
N5 & C3	450	200	150
C4	300	200	125

Wind Category	Elsewhere on Building		
	Stud Spacing max. (mm)	Fastener Spacing (mm)	
		'E'	'F'
N1 & N2	600	200	200
N3 & C1	600	200	200
N4 & C2	600	200	200
N5 & C3	600	200	200
C4	450	200	150

NOTE:

Factored Net External Pressure Coefficients are in accordance with AS4055 Table B1 and B2.

Designed for: $C_{pe}KL = 1.3$ within 1200mm of building edge, and 0.7 elsewhere.

FIG 6: Vertical Fixing of Sheets to Framing

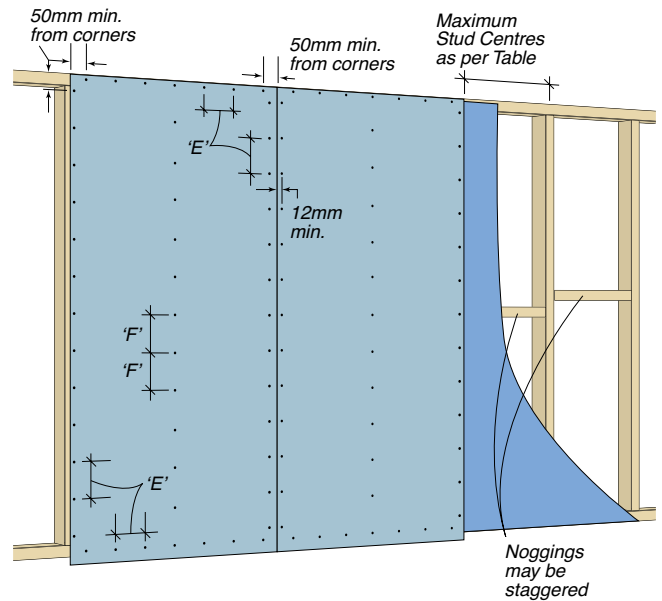
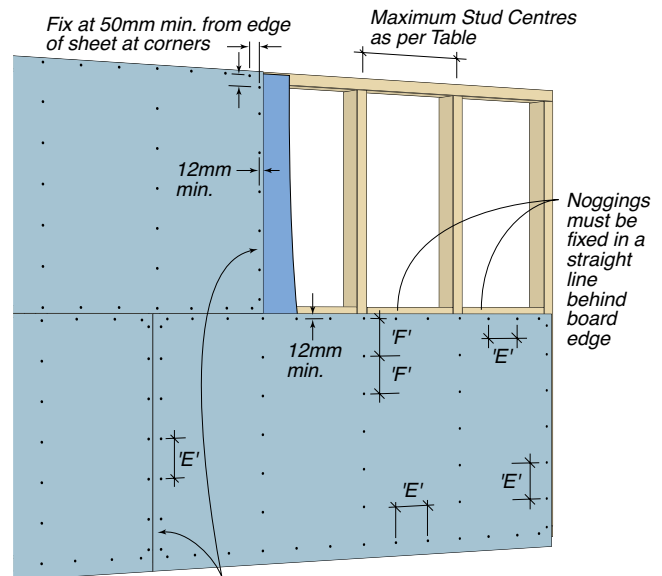


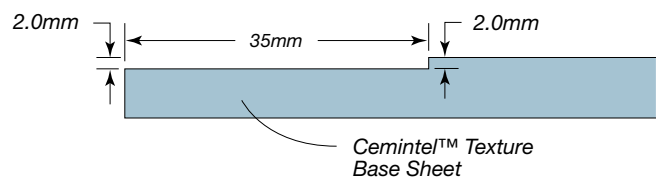
FIG 7: Horizontal Fixing of Sheets to Framing



SITE-FORMED RECESSES

Site-formed recesses should be ground as detailed in FIG 8.

FIG 8: Preparation of Site-formed Recess



CONSTRUCTION DETAILS

SHEET JOINTS

FIG 9: Vertical Sheet Joint on Single Stud

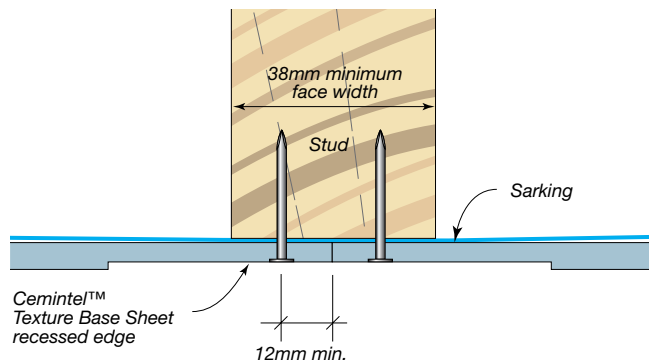
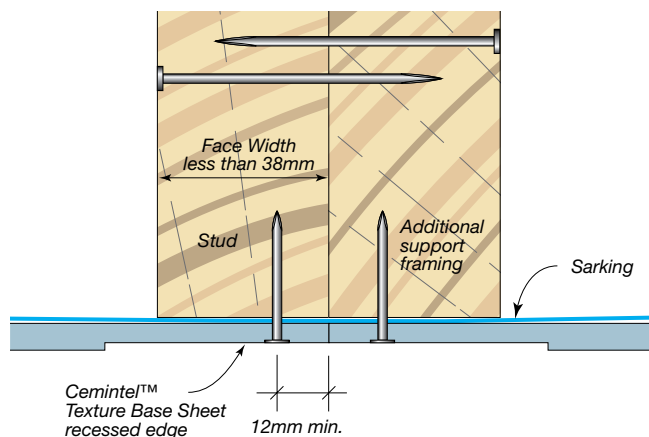


FIG 10: Vertical Sheet Joint with Additional Support Framing



CORNER DETAILS

External corners must be reinforced with corner beads. Fix corner beads as detailed in the Jointing and Coating section of this guide.

Internal and external corners are to have PVC or metal flashing installed over sarking for additional water resistance.

Refer to FIG 11 and 12 for corner details.

FIG 11: Internal Corner

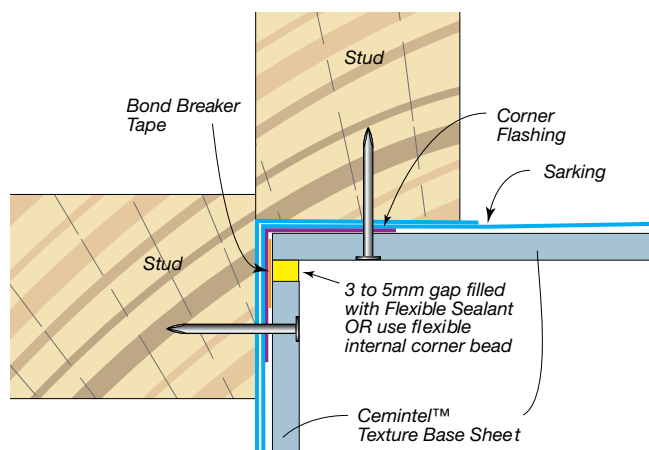
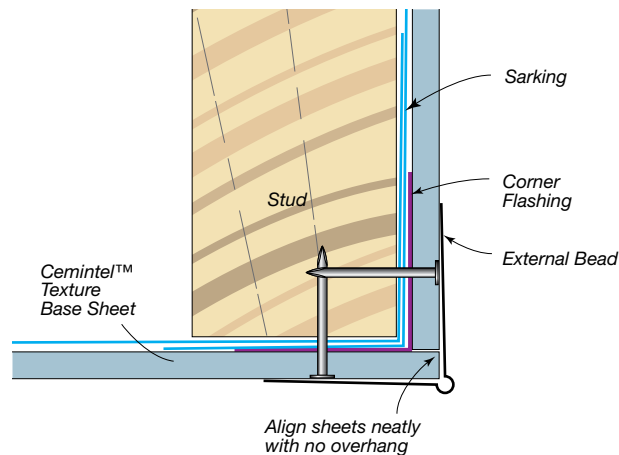


FIG 12: External Corner



CONTROL JOINTS

Control joints are to be constructed with double studs to allow for expansion and contraction of the framing and the cladding. Refer to FIG 13 and 14.

FIG 13: Control Joint

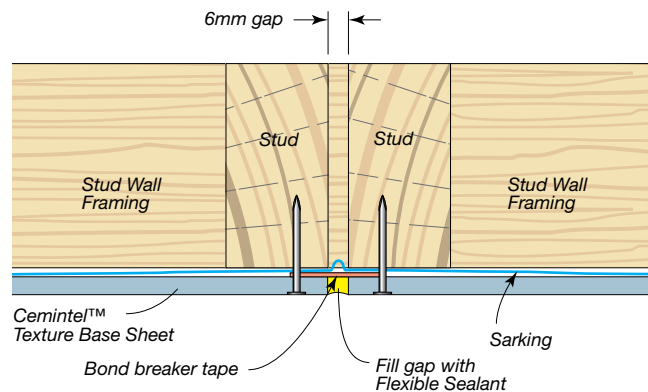
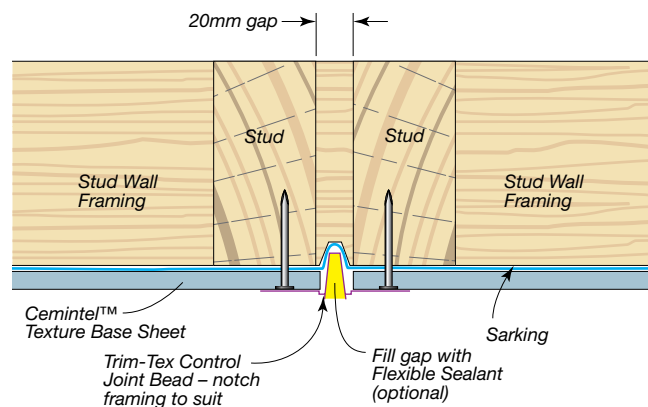


FIG 14: Control Joint with Trim-Tex Bead



JUNCTION WITH MASONRY WALL OR BUILDING ADDITIONS

When a masonry wall adjoins framed construction or at the junction of framed additions, a control joint must be installed to allow for differential movement.

FIG 15: Junction with Masonry Wall

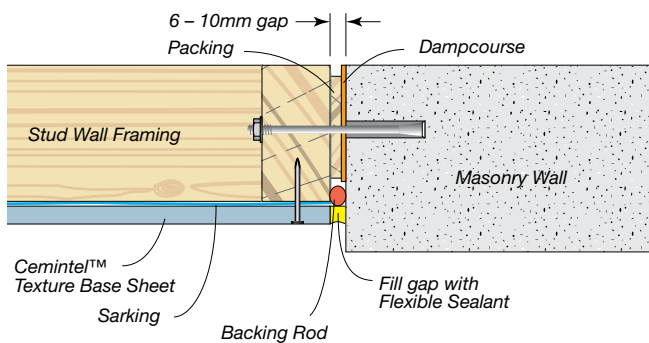
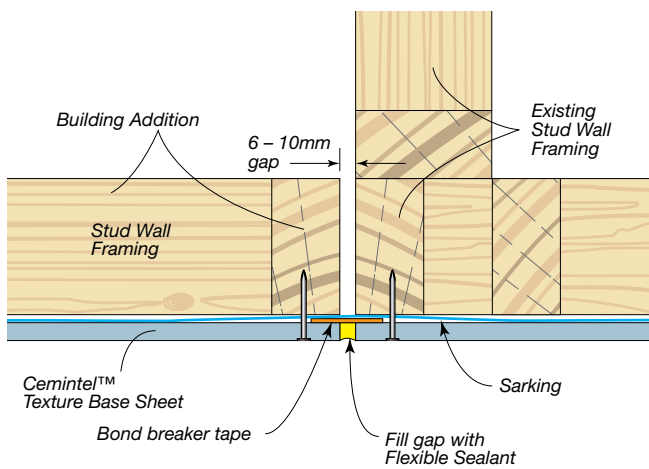


FIG 16: Junction of Framed Construction at Additions



CONTROL JOINTS FOR TWO STOREY CONSTRUCTION

Horizontal control joints must be provided in two storey construction to allow for the shrinkage that can occur when deep timber floor joists are used. Architectural profiles are used to cover this joint.

**FIG 17: Horizontal Control Joint
With Decorative Cover Strip**

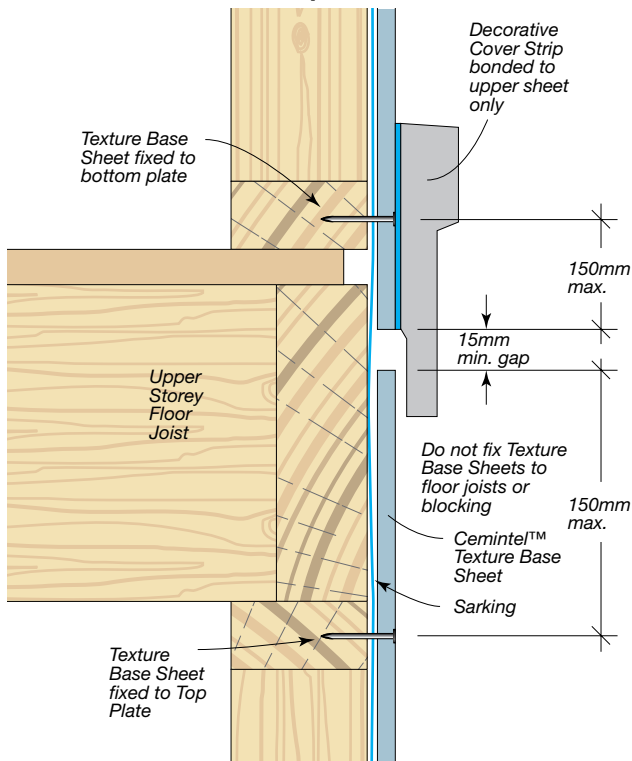


FIG 18: Horizontal Control Joint Without Cover Strip

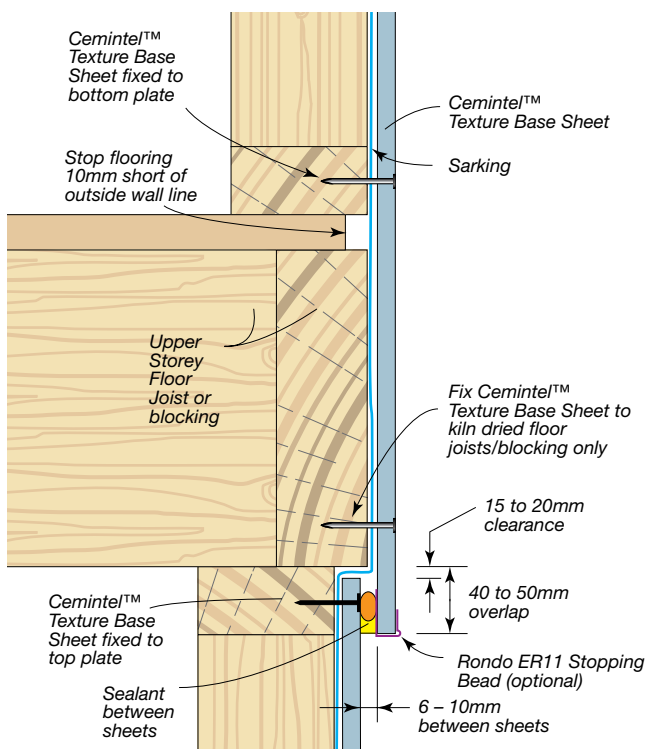
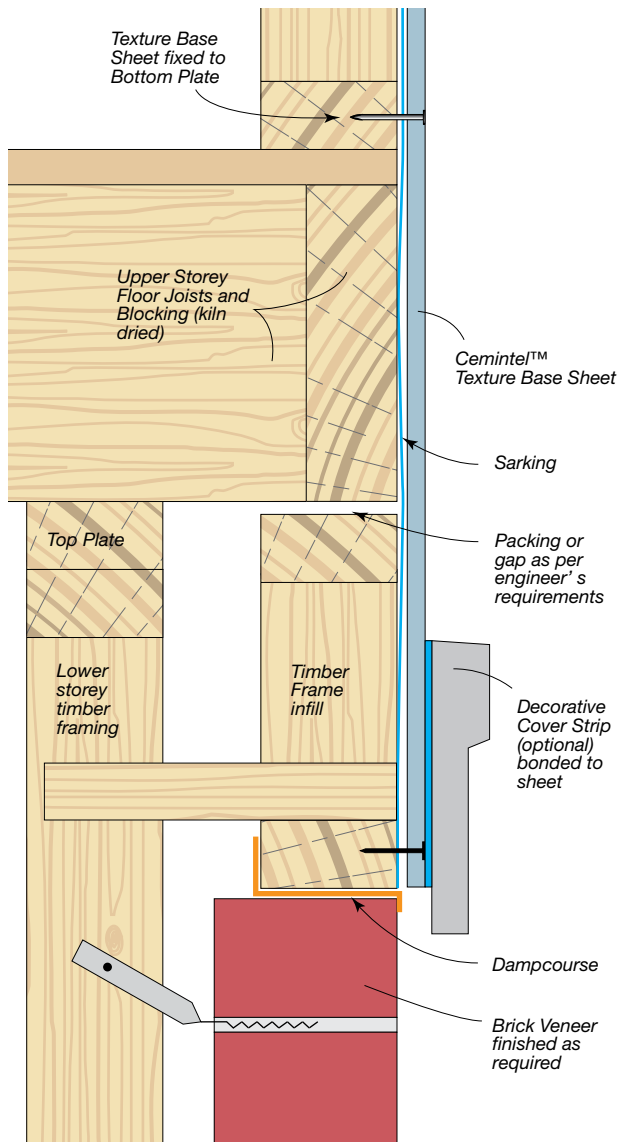


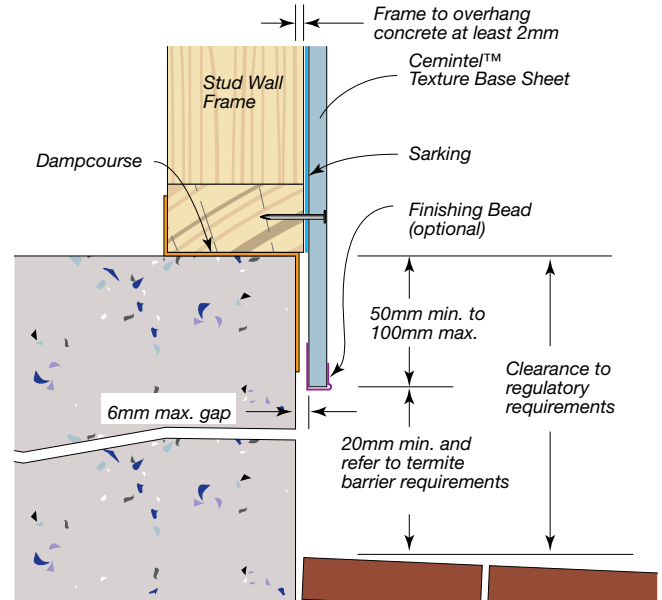
FIG 19: Typical Horizontal Junction with Brick Veneer Construction



FOOTINGS

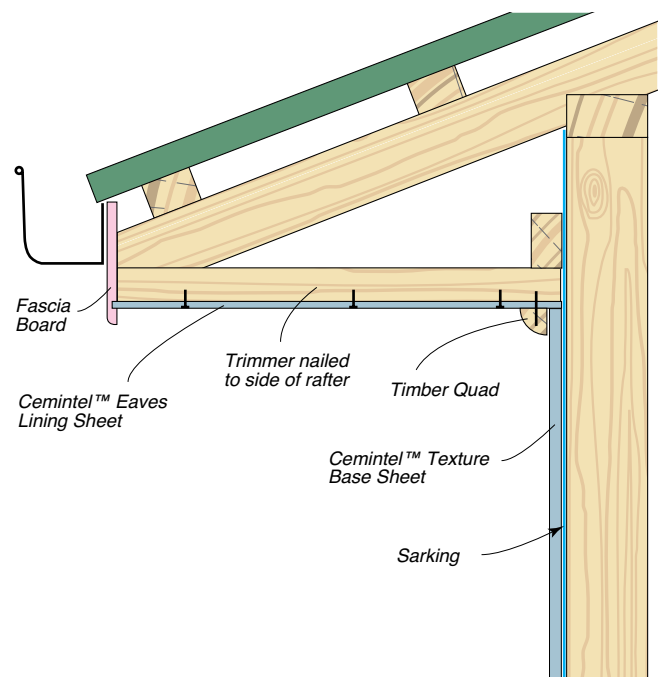
Sheets must overlap footings by 50 to 100mm and must be kept clear of the ground. Refer to FIG 20 for details.

FIG 20: Footing Detail



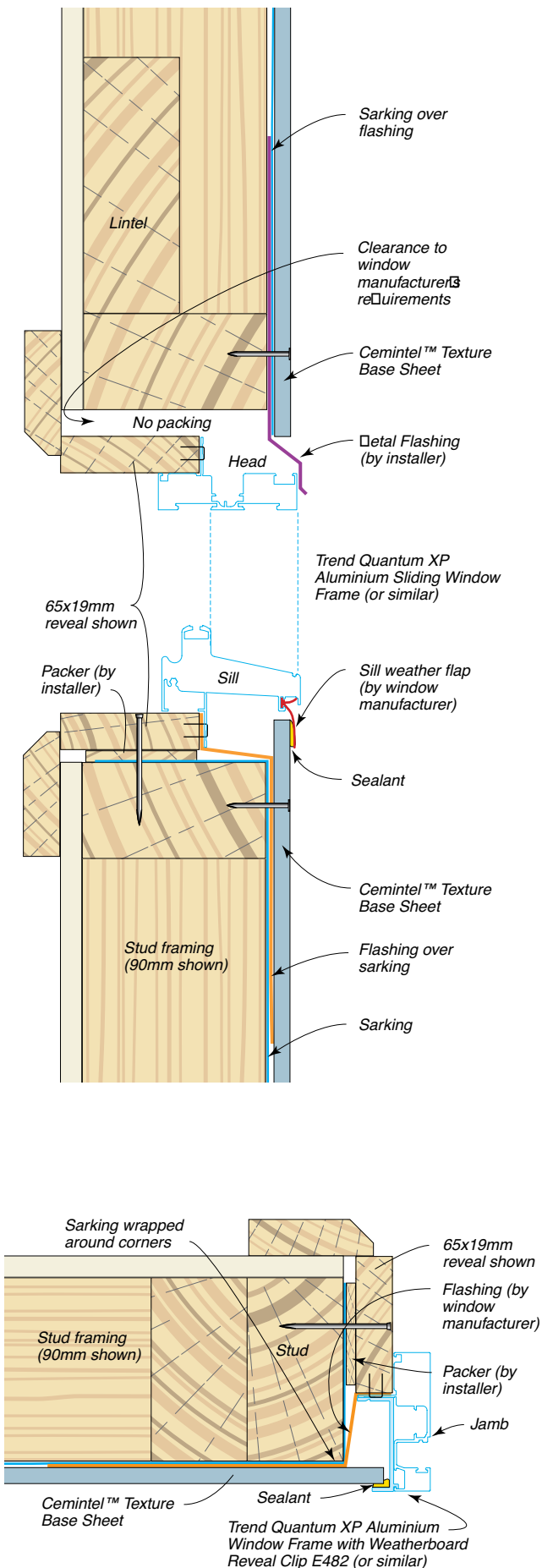
EAVES

FIG 21: Typical Eaves Detail



WINDOW INSTALLATION

FIG 22: Window Detail – Trend Quantum XP Aluminium Sliding Window with Weatherboard Reveal Clip E482



CEMINTEL™ TEXTURE COATING SYSTEM

PLANNING

Cemintel™ Texture Coating compounds must not be applied when the air or sheet surface temperature is below 10°C or above 30°C. In case of impending rain, coating application should be stopped in time to allow the product to cure adequately.

Application in extreme heat or windy conditions should be avoided. Where possible, stage the coating process to work in shaded areas. Cemintel™ compounds must be protected from rain and frost for the first 24 hours of application, longer in cold weather.

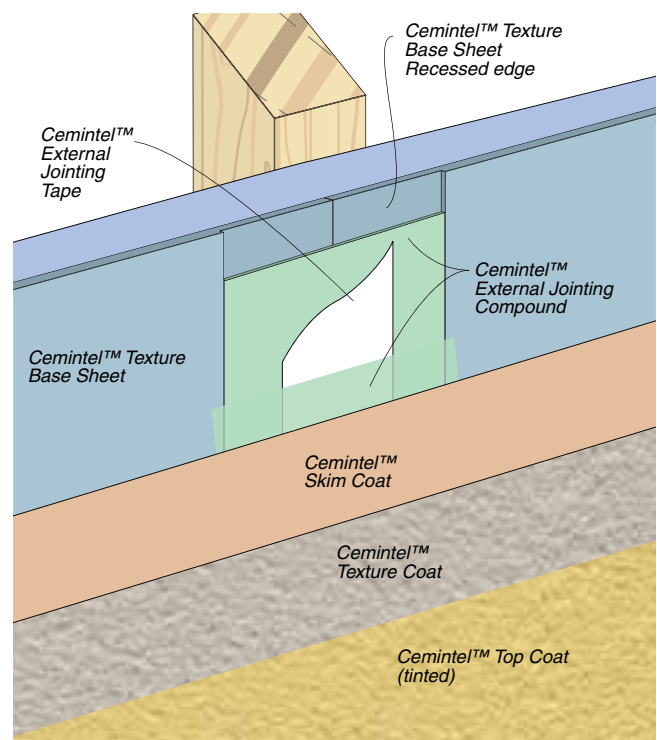
Always work safely, using suitable scaffolding on high walls.

PREPARATION

Ensure that the fibre cement surface is dry and free of dust, dirt, mould, and other contaminants. In coastal areas surface salt should also be removed. Inadequate cleaning may result in poor coating adhesion and low joint strength.

It is important that sheets are butted together and flush at all joints. Misalignment of sheets may result in unacceptable joint visibility. Ensure that all fasteners are embedded correctly, with the head of the fastener flush with the sheet, to ensure the smooth application of coating materials. Site formed recesses do not need sealing before applying Cemintel™ External Joint Compound.

FIG 23: Cemintel™ Jointing and Coating System



JOINTING

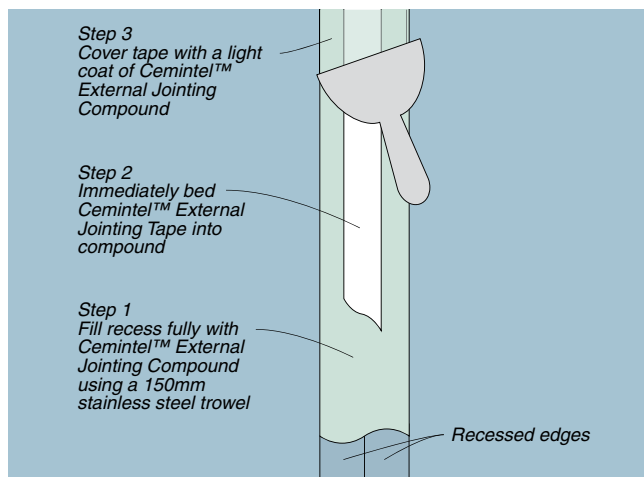
Fill the fibre cement sheet recesses evenly and fully with Cemintel™ External Jointing Compound, using a stainless steel 150mm broad knife. Immediately bed in Cemintel™ External Jointing Tape centrally over the joint, with the smooth side facing outwards.

Cemintel™ Jointing Tape must be clean, and where possible, used in one length in each joint. Tape must be straight and fully bedded into the compound. Cover tape with a light coating of Cemintel™ External Jointing Compound.

Cover all fastener heads, any surface imperfections and exposed end of sills with Cemintel™ External Jointing Compound.

Allow the jointing compound to fully dry before applying the Skim Coat. A minimum of 24 hours is recommended, depending on atmospheric conditions. Some shrinkage of the compound will occur as it dries, and under hot dry conditions, minor 'mud' cracking may appear. This is normal and will not affect the integrity of the joint

FIG 24: Recessed Joint Tape and Tape Coat



INTERNAL AND EXTERNAL CORNER DETAIL

The PVC corner bead is fixed to the fibre cement sheets using Cemintel™ External Jointing Compound. Apply an even layer of jointing compound to both sides of the corner using a 150mm broad knife. Push the corner angle firmly into position until compound extrudes from the holes. Smooth the excess compound over the corner angle and to 150mm each side of the corner. The sheet finishing strip and control joint bead may be adhesive fixed in a similar manner.

Allow the jointing compound to dry before commencing to skim coat. site formed recesses do not need sealing before applying Cemintel™ External Joint Compound.

FIG 25: External Corner Jointing

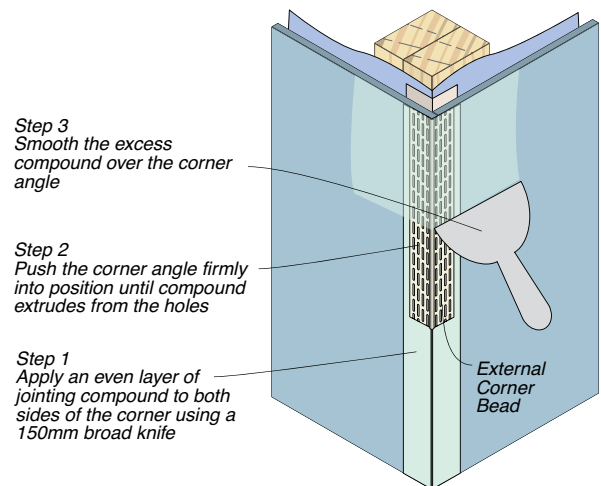
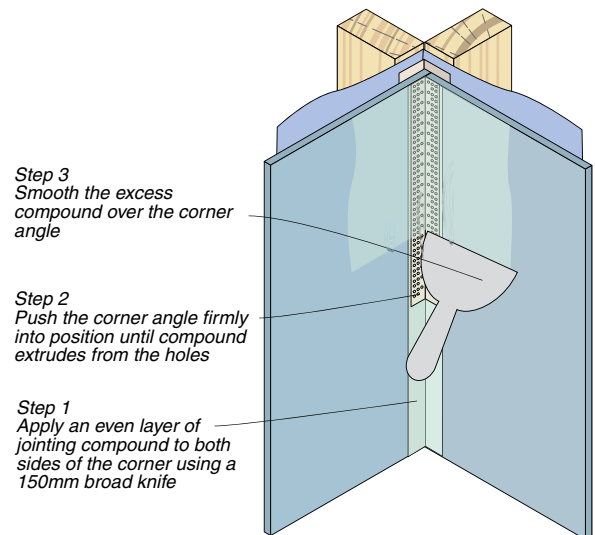


FIG 26: Internal Corner Jointing



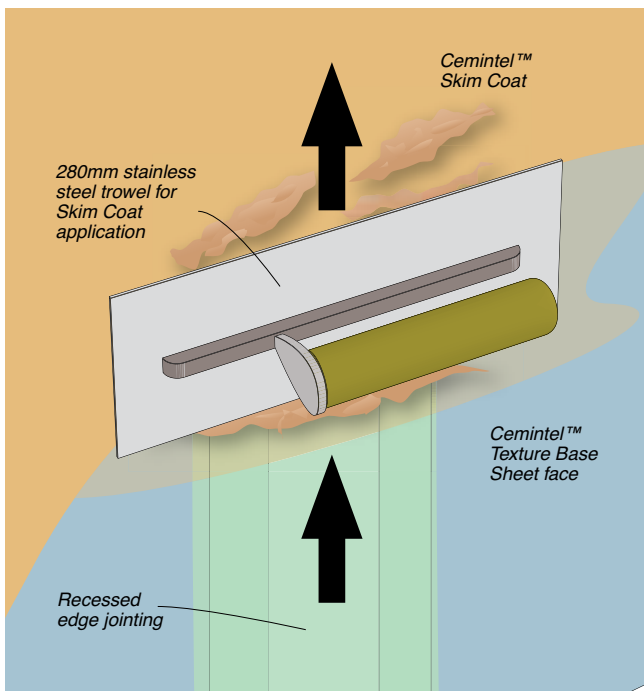
SKIM COAT

The Cemintel™ Skim Coat should only be applied after Cemintel™ External Jointing Compound is fully dry.

Apply a layer of Cemintel™ Skim Coat to the entire wall surface using a steel trowel. Begin at the top of the wall and work to the bottom with upward strokes of the trowel. Sufficient material should be used to ensure a uniform surface and to eliminate the outline of joints, fixings etc. If this is not achieved by a single coat, a second coat is recommended. For best results, apply the skim coat in the same direction as the joint to fill any gaps that occur.

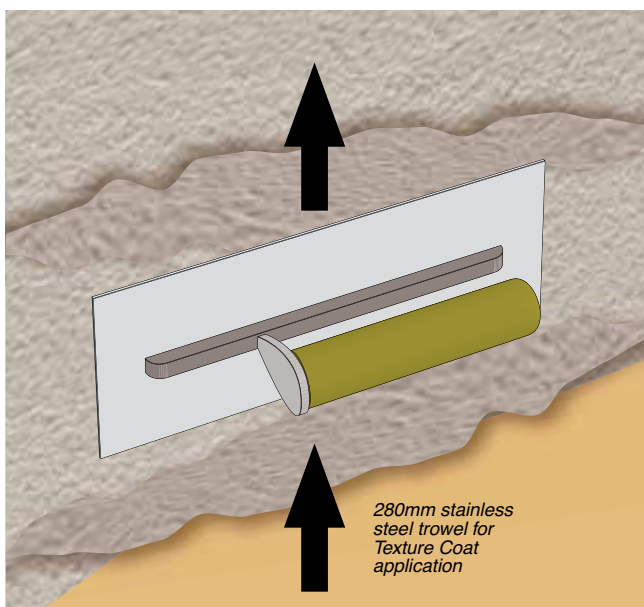
Allow Cemintel™ Skim Coat to fully dry prior to the application of Cemintel™ Texture Coat. Allow at least 24 hours in warm, dry conditions, longer in cold or wet conditions.

Inspect the walls after skim coating to ensure the surface is flat. If there are any imperfections, these should be repaired with Cemintel™ Skim Coat. Cemintel™ Texture Coat may not adequately hide imperfections visible in the skim coat.

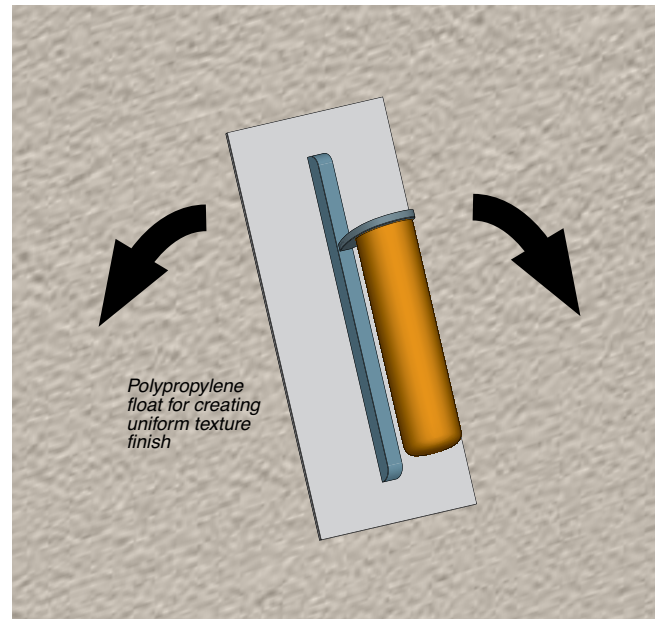
FIG 27: Applying Skim Coat

TEXTURE COAT

Cemintel™ Texture Coat is applied over the Skim Coat using a steel trowel. The Texture Coat contains graded particles that act as a guide to the required coating thickness. Apply a thin layer only, as excess material will cause the plastic float to stick, making it difficult to achieve a consistent finish. Begin at the top of the wall and work towards the bottom with upward strokes of the trowel. Work in strips about one metre high.

FIG 28: Applying Texture Coat

Once applied, the texture coat is floated in a curved motion with a plastic finishing float to produce a uniform texture. Ensure that all the coated areas are floated before the texture coat begins to dry, as touching up dried coating

FIG 29: Finish Floating Texture Coat

is not recommended. For optimum results, one applicator applies the Cemintel™ Texture Coat and a second applicator uses the finishing float.

Isolated areas should be completed in a single application to avoid join marks. Large areas can be broken into smaller workable sections, especially during periods of high temperatures or in windy conditions.

Applications that have commenced in an isolated area should continue uninterrupted. Rapid, uniform and continuous application is essential to maintain a wet edge, especially in warm weather.

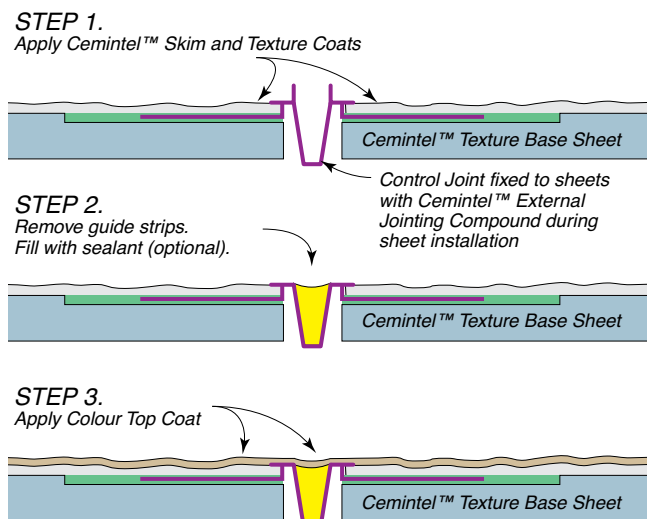
Cemintel™ Texture Coat should be touch dry in one hour at 25°C and 50% relative humidity. It should be fully dry and able to be painted after 72 hours, although lower temperature or higher humidity will increase the drying time.

Vibrations such as nail fixing the internal linings should be avoided until the texture coat is dry. This is to reduce the likelihood of the sheet fasteners protruding and the coating being damaged.

CONTROL JOINTS

For best results, control joints should be filled with Sikaflex PRO sealant after the Texture Coat has been applied.

FIG 30: Vertical Control Joint Finishing



SURFACE FINISH

It is recommended that Cemintel™ Texture Coat be coated with an 100% acrylic, high performance, elastomeric membrane weatherproofing coating, e.g Dulux AcraTex 955 AcraShield or Wattyl GranolImpact.

It is recommended that dark colours be avoided on walls subject to long periods of sun exposure, to minimise joint stress. Under glancing light conditions, where light shines close to parallel to the surface, sheet joints may be visible. Under normal light conditions, sheet joints should not be visible.

Two coats are recommended and an undercoat is not required.

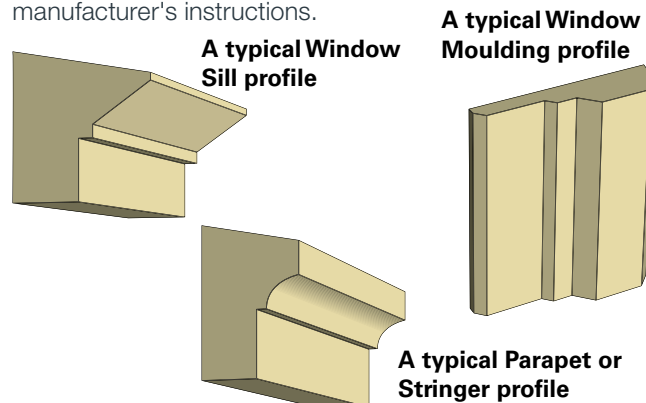
FIG 31: Applying Tinted Cemintel™ Top Coat



SPECIALIST PROFILES

Preformed architectural profiles may be used to create a feature around window openings, doorways and the like. These lightweight shapes can be installed quickly and easily.

These profiles should be securely bonded to Cemintel RendaLine™ Sheet in accordance with the profile manufacturer's instructions.



Corbelling and Projecting Sills provide effective highlighting for corners, windows and eaves

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TEXTURE BASE SHEET & TEXTURE COATING SYSTEM



FC:122

CEMINTEL – MANUFACTURED FOR LIFE

CSR Building Products Limited (“CSR”) warrants its Cemintel™ Texture Coating System from Texture Base Sheet to Cemintel™ Texture Coating (“Product”) to remain free of defects in material and manufacture for the usual lifetime of the Product (**up to 25 years**).

In the event of any failure of the Product caused by the direct result of a defect in the material or manufacture of the Product, CSR will at its option replace or repair, supply an equivalent product, or pay for doing one of these.

This warranty does not apply where the Product has been used in any manner not in accordance with the manufacturer’s instructions, nor the reuse of the Product after its initial installation. This includes installation and maintenance in accordance with this technical manual. CSR recommends that only those products, components and systems recommended by it be used and the project must be designed and constructed in strict compliance with all relevant provisions of the current Building Code of Australia, regulations and standards. All other products, including coating systems, applied to or used in conjunction with the Product must be applied or installed and maintained in accordance with the relevant manufacturer’s instructions and good trade practice. CSR will need to be satisfied that any defect in its Product is attributable to material or manufacture defect (and not another cause) before this warranty applies.

Notification of a warranty claim must be made to CSR prior to any return or attempted repair of the Product. Failure to allow CSR to examine an alleged faulty Product in situ may result in the voiding of this warranty.

CSR will not be liable for any claims, defects or damages arising from or in any way attributable to poor design or detailing, poor workmanship, movement of materials to which the Product is attached and/or, incorrect design of the structure settlement or structural movement, high levels of pollution, acts of God including, but not limited to, floods, cyclones, earthquakes or other severe weather or unusual climatic conditions, performance of paint/coatings applied to the Product or normal wear and tear.

CSR™ and Cemintel™ are trademarks of CSR Limited

Other than as expressly set out in this warranty, and the guarantees that can not be excluded under The Australian Consumer Law (Schedule 2 of the Competition and Consumer Act 2010 (Cth)) (and any other law), CSR excludes all other warranties and guarantees with regard to the Product including all guarantees and warranties that may apply at law.

To the extent that it is able to do so, CSR excludes all liability for loss and damage (including consequential loss) in connection with the Product. This exclusion does not apply where the Product is sold to a consumer and is a good of a kind ordinarily acquired for personal, domestic or household use or consumption.

The following statement is provided where the Product is supplied to a buyer who is a “consumer” under the Australian Consumer Law: *Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.* The benefits of this warranty are in addition to other rights or remedies of the consumer under law in relation to the goods or services to which the warranty relates.

Notification of a warranty claim must be made to CSR prior to any return of the Product.

To make a claim under this warranty, you must contact CSR on **1300 CEMINTEL**, or write to one of our state offices, www.cemintel.com.au/ **contact-us**. All expense of claiming the warranty will be borne by the person making the claim. CSR may require documentation supporting the claim to be provided.

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