

**RMAX EIFS Grooved Cladding Panel**  
**RMAX EIFS Cladding Panel**  
**RMAX EIFS Pre-Rendered Cladding Panel**

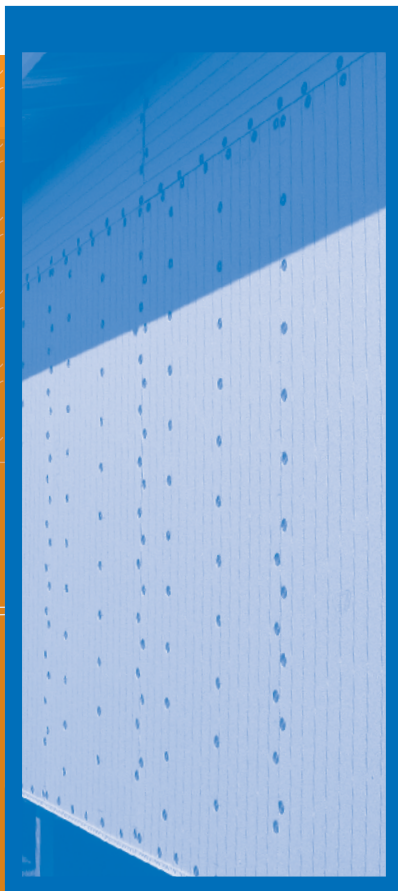


EXTERNAL INSULATED FINISHING SYSTEM (EIFS) CLADDING

Codemark  
Accredited

BAL-29 Compliant

## RMAX Batten Cavity EIFS Cladding Product Range Technical Data And Installation Manual



**RMAX OB EIFS  
Grooved Cladding  
Panel**



**RMAX OB EIFS  
Cladding Panel**



**RMAX OB EIFS  
Pre-Rendered Cladding  
Panel**

RMAX is a division of  
Huntsman Chemical Company  
Australia Pty. Limited  
ABN 48 004 146 338



**BAL-29**

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CODEMARK<sup>®</sup>  
Australia

**NOTE:**

Certificate Number CM40112

**As RMAX continually tests, validates and improves its range of insulation products, the information presented in this technical brochure may have been updated since it was last printed. For the most up to date version of RMAX Batten Cavity EIFS Cladding Product Range Technical Data Manual, please visit the RMAX website at [www.rmax.com.au](http://www.rmax.com.au)**



## INTRODUCTION

RMAX is a pioneer in the use of EPS External Insulation Facade Systems (EIFS), having released its first EPS EIFS cladding panel EXIN to market back in 2002, followed by the first fully BCA certified and accredited EIFS cladding system that being the RMAX Orange Board (OB) EIFS system in 2010. Our constant commitment to quality and continuous improvement has seen our EIFS cladding systems continuously evolve and transform over time to not only meet, but exceed the ever increasing demands of the National BCA construction codes and the building industry in general.

The RMAX Batten Cavity EIFS Cladding Product Range has been designed specifically for application in the second storey of Class 1 and 10 Residential building constructions only and cannot be installed in any ground floor or single storey applications. Where it is desired for an RMAX EPS EIFS cladding system to be installed as external cladding on the ground floor of a double storey residential construction or on a single storey residential construction, the RMAX Ground Floor EIFS system is to be installed.

Please refer to the RMAX Ground floor EIFS technical installation brochure for ground floor or single storey EIFS cladding installation. The RMAX Ground floor EIFS technical data and installation manual can be downloaded directly from the RMAX website at [www.rmax.com.au](http://www.rmax.com.au)

The RMAX Batten Cavity EIFS Cladding Product Range comprises of a range of Isolite® (orange colour) Expanded Polystyrene (EPS) panel building products that are all manufactured in Australia. These Exterior Insulation and Finishing Systems (EIFS) have all been independently tested by NATA accredited testing laboratories to meet and exceed relevant Australian standards for external building insulating cladding products.

**Please Note:** The term "RMAX Batten Cavity EIFS Cladding Product Range" is referenced throughout this brochure. This term covers the entire range of RMAX manufactured EIFS Cladding Panel Products comprising plain EPS panel, Pre-Rendered EPS panel and Grooved EPS panel together with all required components that go to make up the RMAX Batten Cavity EIFS system.

### CodeMark™ Certification

The entire RMAX EIFS Batten Cavity Cladding Product Range has been audited and assessed by CertMark International (CMI). CMI is an accredited independent certification body (ISO Guide 65). In undertaking this assessment, CMI have awarded CodeMark™ certification under individual CodeMark™ Certificate Numbers CM40039, CM40114 and CM 40112 covering all the individual EIFS cladding panel product types that go to make up the RMAX Batten Cavity EIFS Cladding Product Range.

The CodeMark™ Certificate of conformity outlines National compliance of the RMAX EIFS Batten Cavity EIFS Cladding Product Range External Wall Cladding for use in class 1 and 10 buildings, to the 2019 Building Code of Australia (BCA) codes relating to:

- Structural Integrity
- Weatherproofing

- Construction in Bushfire Prone Areas (BAL)
- Energy Efficiency for External Walls

The individual CodeMark™ certificates for each of the RMAX Batten Cavity EIFS Cladding Products can be downloaded from the RMAX website at [www.rmax.com.au](http://www.rmax.com.au), or can be sourced directly through your local RMAX Batten Cavity EIFS Cladding Product Range distributor.

### Benefits of installing the RMAX Batten cavity EIFS cladding system

The RMAX Batten cavity EIFS cladding system provides a weatherproof, impact resistant cladding and insulation system for Class 1 and 10 residential building applications and is used as an alternative integrated façade system to traditional masonry facade systems.

Although the RMAX Batten cavity EIFS cladding system is suitable for application in Class 1 and 10 buildings, it is not applicable for use in any Class 2 to 9 commercial building. The RMAX Batten cavity EIFS cladding system comprises of the following proprietary components that go to make up the Codemark certified system:

- DuPont Tyvek breathable home wrap. (sarking)
- RMAX EPS cavity battens (28g/L) 1250mm x 40mm x (10-25mm) thickness
- 2500mm x 1200mm x 75mm or 100mm thick RMAX Orange Board EPS EIFS panels. M grade (18g/l) density OR
- 2500mm x 1200mm x 75mm or 100mm thick RMAX Orange Board grooved EPS cladding panels . M grade (18g/l) density OR
- 2500mm x 1200mm x 75mm or 100mm thick RMAX Orange Board EPS Pre-rendered cladding panels M grade (18g/l) density.
- RMAX Ground floor EIFS aluminium starter channel assembly Option A (Design and innovation patent pending)
- RMAX OB Plus Render and mesh
- RMAX OB Primer.
- 10G x 150mm length CSK head Coarse Ribbed Class 4 needle point fasteners.
- RMAX Orange Board washers.
- Bituminous Aluminium flashing tape.
- Aluminium / PVC corner angles.
- Approved Polyurethane construction foam adhesive.
- Selleys Liquid Nails Fast-grab construction adhesive or Selleys Liquid Nails Instant Hold construction adhesive only.

**Please Note:** Other Selleys Liquid Nails construction adhesive products have not been tested and may not be compatible with EPS.

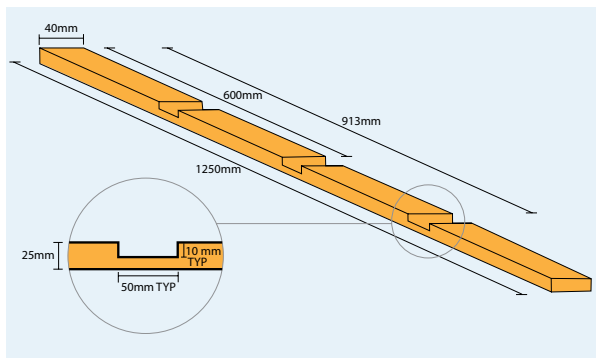
Where required or requested by the relevant project specifier, the EPS panels and battens that go to make up the RMAX Batten cavity EIFS cladding system can be manufactured and supplied with a termite resistant additive as part of their composition.

## INTRODUCTION

**Please Note:** The addition of the termite additive where requested as part of the RMAX Batten cavity EIFS cladding system, does not preclude the builder from having to install an appropriate termite barrier or termite management system as per the relevant BCA requirements set forth in Australian Standard AS 3660.1

### RMAX Cavity Battens

RMAX cavity battens are an integral component of the RMAX Batten Cavity EIFS Cladding wall system and **must** be applied as part of the RMAX EIFS system for the RMAX Statutory Warranty and Code Mark certification to apply. RMAX cavity battens measure 1250mm x 40mm (in thicknesses of 10-25mm inclusive) and are manufactured by RMAX from high density X 28 grade (28g/L), Isolite Expanded Polystyrene (orange in colour). The EPS battens each contain three 50mm x (5-10mm) thick tab cut outs located at 313mm centres. The tab cut outs allow for air circulation to occur between the studs.



**Figure 1. Typical Dimensions of the RMAX X28 EPS Cavity Batten in 25mm thickness.**

The installation of the RMAX battens as part of the overall RMAX EIFS cladding system allows for improved drainage of condensation and moisture build up between the stud and external wall cladding and reduces the likelihood of moisture coming into direct contact with the frame, reducing potential issues of rot and mould growth. Installation of the battens also improves the overall R value of the wall system by increasing the size of the air gap in the cavity between the internal plaster lining and external EIFS cladding.



**Photo 1. RMAX Cavity Batten and installation clouts.**

### RMAX Batten Cavity EIFS Cladding System Composition

The RMAX OB EIFS panel, and RMAX EPS cavity battens are all manufactured from expanded polystyrene (orange in colour) which

is an inert, lightweight, inorganic material. The EPS panels and battens are manufactured in RMAX manufacturing plants across Australia in accordance with the relevant Australian Standard AS1366 Part 3 ~ 1992 Rigid cellular Polystyrene Moulded plastic sheets for Thermal Insulation.

### Variation and Modifications to the RMAX Batten Cavity EIFS Cladding System

RMAX does not validate or authorise in any way the use of any non-approved RMAX Batten cavity EIFS cladding system components other than those specified in the components list on page 1. RMAX will not be responsible for the performance of a system when installed outside of the CodeMark accreditation and system limitations and when non-approved components are used. In the event that non approved components have been installed as part of the finished system, this may compromise the systems performance. Where this has been found to have occurred, the product warranty and the Codemark certification that would normally be issued for the installed system will be rendered null and void.

### RMAX EIFS Grooved Cladding Panel Product Description

The RMAX grooved panel product is made up of RMAX (Isolite M Grade density orange in colour) panels that incorporate a patented dove tail groove design on one side of the panel which can be applied in two different orientations depending on customer preference and or installation. The grooves in either orientation provide improved anchoring of the applied render finishing systems to the panel face and also act as a convenient locator for the fixing screws and washers resulting in greater ease of installation to the frame. Refer page 5 figure 5 for panel construction diagram.

#### Option 1: Vertical Groove

The patented dove tail groove design runs vertically down the length of one face of the panel at equal spacings of 75mm as indicated in photo 2.



**Photo 2. Vertical groove orientation running along the panel length at 75mm spacings.**

#### Option 2: Horizontal Groove

The patented dove tail groove design runs horizontally across the width of one face of the panel at equal spacings of 75mm as indicated in photo 3.



**Photo 3. Horizontal groove orientation running across the width of the panel at 75mm spacings.**



## DESIGN CRITERIA

### RMAX EIFS Pre-Rendered Cladding Panel Product Description

The RMAX Pre-Rendered EIFS Cladding Panels are made up of RMAX Isolite™ EPS panels (M Grade density) core reinforced with high strength alkaline resistant OB 160gsm fibreglass mesh and the enhanced RMAX Orange Board™ Plus render surface coating (grey in colour), to provide strength and high impact resistance.

The RMAX pre-rendered panels offer the RMAX Orange Board™ Plus pre rendered coating on one face of the panels.



Photo 4. RMAX EIFS Pre-Rendered Cladding Panels.

### RMAX EIFS Cladding Panel System Product Description

The RMAX EIFS Cladding Panel system is distributed to market as a fully accredited RMAX EPS EIFS system comprising the RMAX Isolite™ EPS cladding panel (M Grade density), together with the RMAX Orange Board™ Plus Render and RMAX Orange Board™ fasteners, screws and washers.

**For Bush Fire Attack Level (BAL 29) conformance to be applicable, the RMAX Batten Cavity EIFS Cladding system must be installed with the RMAX EIFS Cladding Product Range of panels in conjunction with the Orange Board™ fasteners, screws and washers and the proprietary RMAX Orange Board™ Plus Render system.**

### RMAX EIFS Cladding Appraisals

The full range of RMAX Batten Cavity EIFS Cladding Panels have been subjected to extensive testing and validation to comply with all relevant Australian building codes and practices. For a full list of referenced tests and reports refer to page 41.

### Compliance

All design and construction must comply with the appropriate requirements of the current Building Code of Australia (BCA) regulations Volume 2 for Class 1 and Class 10 Buildings and any specific requirements of your local Building Authority.

### Frame Structure

The frame structure must be built in accordance with the Building Code of Australia (BCA) and with all relevant Australian Standards that may apply such as AS 1684 - Residential Timber Framed Construction. Metal framing must comply with: AS 3623 - Domestic Metal Framing - A cold-formed steel frame constructed in accordance with NASH Standard for Residential and Low-rise Steel Framing, Part 1: Design Criteria.

**NOTE: The RMAX Batten Cavity EIFS cladding system is non structural and doesn't contribute to the structural integrity of the frame once installed. Hence, structural bracing must be installed as part of the integral wall frame.**

### Framing Specification Compliance

In all cases, it is a requirement that the RMAX Batten Cavity EIFS incorporates a supporting frame compliant with BCA requirements, e.g. The AS 1684 suite of standards for Residential timber-framed construction for cyclonic and non-cyclonic areas (where minimum framing member dimensions may be less than those referenced in the testing referenced in Appendix D so long as the minimum screw penetration depth into the stud is maintained); or, NASH Standard for Residential and Low-rise Steel Framing with minimum stud specification of 0.75 mm BMT G550 for non-cyclonic applications. For cyclonic applications, while the strength of RMAX Batten Cavity EIFS has been verified for a 10G screw/washer combination, the strength of the screw-to-steel-frame connection must be independently verified.

### Installation Design

All installation, erection and fixing requirements must be in accordance with the details contained in this manual and the requirements of your local Building Authority.

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Please refer to the RMAX Ground floor EIFS technical installation brochure for ground floor or single storey EIFS cladding installation. The RMAX Ground floor EIFS technical data and installation manual can be downloaded directly from the RMAX website at [www.rmax.com.au](http://www.rmax.com.au)

## DESIGN CRITERIA

### RMAX EIFS EPS Panel Fasteners

Each fastener is composed of:

- 1 galvanised steel screw (class 4)
- 1 plastic washer

Details of each component are given in Table 1.

**Table 1: Panel fixing components details**

Fasteners	Timber frame	Steel frame
<b>Screw</b> (75mm panel)	10G x 125mm CSK Head Coarse Ribbed Class 4 Needle Point	10G x 115mm Wing Tek Class 4
<b>Screw</b> (100mm panel)	10G x 150mm CSK Head Coarse Ribbed Class 4 Needle Point	10G x 140mm Wing Tek Class 4
<b>Washer</b>	45mm diameter plastic RMAX OB washer (orange in colour)	

NOTE: Screw length is dependant on the thickness of RMAX EIFS Cladding panel used and must also take into account the thickness of the cavity batten as well. As a guide, the screw should be minimum 50 mm longer than the panel thickness for timber frame construction and 40 mm longer than the panel thickness for steel frames. The screw offset from the edge of the panels and the panel joins is to be 20mm. Where two panels butt up against each other, edge to edge, a double stud is to be used, allowing each panel to be fastened to its own individual stud. Refer fastener fixing detail on pages 23 and 24 for further information.



Photo 5. Complete RMAX Orange Board™ Plus render finished EIFS Cladded wall.

### Wind Pressure Design

The capacity of the RMAX Batten Cavity EIFS Cladding product range of products, as evaluated in accordance with the relevant Australian Standards (AS 4040.0, AS 4040.2, AS 4040.3), to resist against different categories of wind from Regions A, B (Non-Cyclonic) and C, D (Cyclonic) (see Figure 2) as required by the BCA and defined according to AS/NZS 1170.2:2011 and AS 4055 - 2006 was obtained by several tests performed in accredited Laboratories. Refer to page 41, reference 12.

The limitations of the following fixing provisions are:

- Building height to eaves or ridge less than or equal to 10.00 m.
- Buildings built in terrain categories 1 to 3.
- Buildings built on topographic classification T1 (AS 4055-2006).

The provisions of the fixing for the different wind regions A, B, C and D are defined in Table 2 below.



Figure 2. Wind Region designation around Australia. Refer to the BCA Design Wind Speed-Equivalent Values for more information.

**Table 2: Minimum stud and fastener spacing for the RMAX Batten Cavity EIFS Cladding Product Range in accordance with AS 4055-2006.**

Wind Regions	Non-Cyclonic (A and B)				
Wind category	N1	N2	N3	N4	N5
Panel Thickness (mm)	75, 100				
Max. Stud spacing (mm)	600			450	
Fastener spacing (mm)	300				200

TECHNICAL SPECIFICATIONS

Standard Tolerances

Table 3: Panel Dimensions

Panel Dimensions: Thickness X Length X Width
75 mm X 2500 mm X 1200 mm
100 mm X 2500 mm X 1200 mm
Tolerance: Panel Length and Width = +/-2 mm
Tolerance: Panel Thickness = +/- 1mm
The surface mass of each panel is indicated in Table 4. Panel sheet weights are shown Table 5.

Table 4: Nominal panel surface mass (kg/m²) – unrendered (M grade density)

Thickness (mm)	Surface Mass (kg/m²)
75mm	1.43
100mm	1.90

Table 5: Sheet weight in kg – unrendered (M grade density EPS panel only)

75mm	100mm
4.3 kg	5.7 kg

Figure 3:  
RMAX EPS EIFS  
Cladding Panel

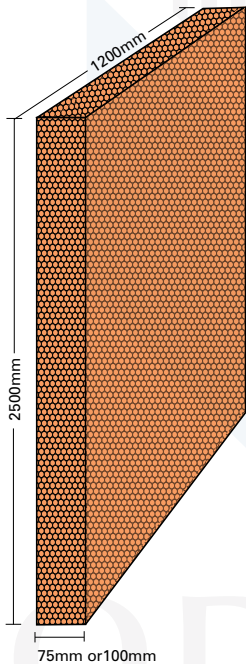


Figure 4: Example of the installed RMAX EPS EIFS  
Pre-Rendered and Plain Cladding Panel.

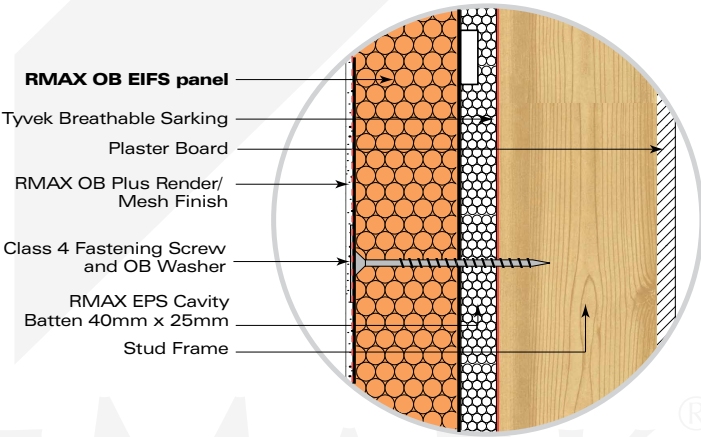


Figure 5:  
RMAX EPS EIFS  
Grooved Cladding  
Panel

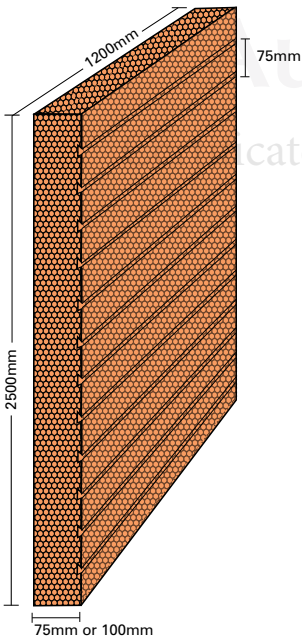
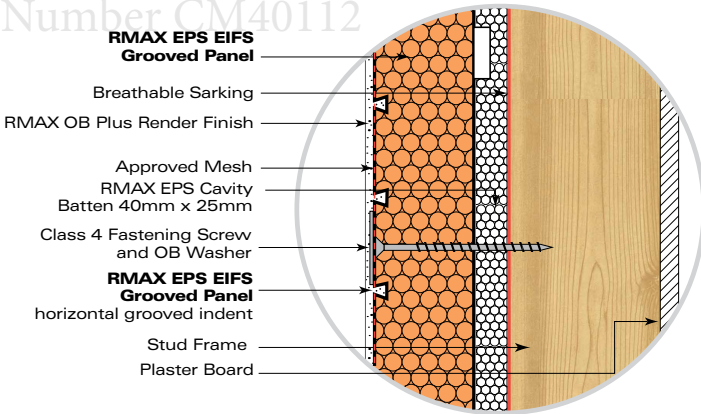


Figure 6: Example of the Installed RMAX EPS EIFS  
Grooved Cladding Panel.

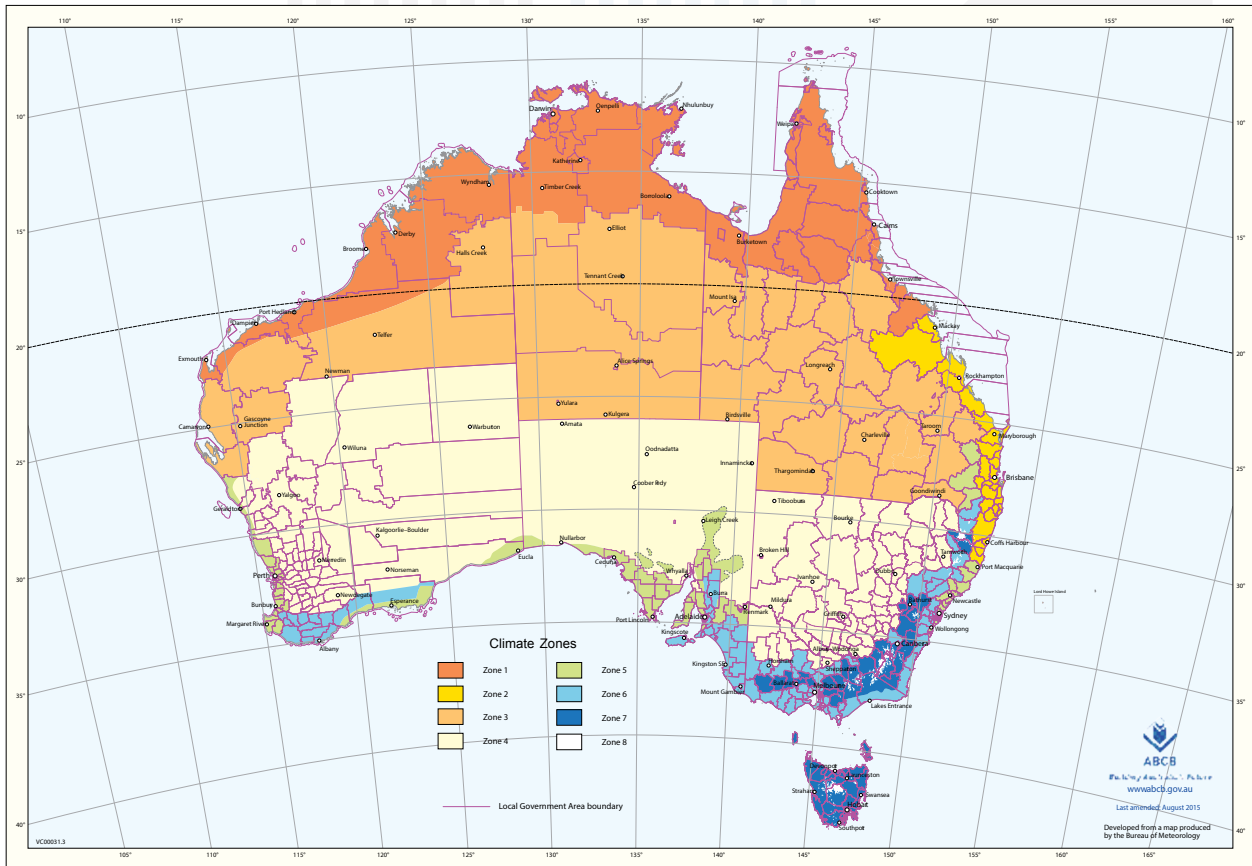


NOTE: DRAWINGS THROUGHOUT NOT TO SCALE

## TECHNICAL SPECIFICATIONS

**Table 6: NCC 2019 Climate Zone Requirements**  
NCC 2019, BCA Vol 2, Table 3.12.1.3a

Climate Zones	1, 2,3	4, 5,	6,7	8
Minimum Total R-Value for External Walls	Typical wall - R2.8 - R2.4 Shaded with a projection angle of: 15 degrees	Typical wall - R2.8 - R2.4 Shaded with a projection angle of 15 degrees	Typical wall - R2.8	Typical wall - R3.8



**Figure 7. ABCB Climate Zone Map.**

The RMAX Batten cavity EIFS cladding system utilising a 75mm thick EPS EIFS panel achieves compliance to the NCC 2019 Climate requirements for minimum R-Value performance of external walls in climate zones 1 through 5. Compliance to minimum R-value performance in climate zones 6 and 7 can be achieved with the addition of R 0.5 and higher insulation batts being installed in the stud cavity. Compliance to minimum R-value performance in climate zone 8 can be achieved with the addition of R 1.5 and higher insulation batts being installed in the stud cavity.

The RMAX Batten cavity EIFS cladding system utilising a 100mm thick EPS EIFS panel achieves compliance to the NCC 2019 Climate requirements for minimum R-Value performance of external walls in climate zones 1 through 7. Compliance to minimum R-value performance in climate zone 8 can be achieved with the addition of R 0.5 and higher insulation batts being installed in the stud cavity.



TECHNICAL SPECIFICATIONS

Thermal Insulation

Table 7: R value of the RMAX Batten Cavity EIFS EPS Cladding Panels

Panel thickness	75mm	100mm
Thermal conductivity at 23°C (W/m²K)	0.037	
R value at 23°C (m²K/W)	2.09	2.79

RMAX Batten Cavity EIFS Cladding Wall System Thermal Performance

From calculations in accordance with AS/NZS4859.1 2018, the total R value for the RMAX Batten Cavity EIFS Cladding wall systems are given in the opposite table.

Note: The R value calculations below are based on a wall system construction comprising of 10mm thick plaster board internal wall lining, 90mm thick timber stud frame, Tyvek Home Wrap breathable sarking (wall wrap), 25mm thick X28 grade RMAX EPS Cavity Battens and the M grade RMAX EIFS EPS Cladding panels in the prescribed thicknesses as indicated with a nominal 5mm thick Orange Board™ Plus finish render coating applied.

Table 8: Total R value of the RMAX Batten Cavity EIFS EPS Cladding wall system

Total R value of the RMAX Batten Cavity EIFS EPS Cladding wall system			
Standard Cladding panel thickness (mm)	Total R value Summer (m²K/W)	Total R value Winter (m²K/W)	Total R value Average (m²K/W)
75	2.67	2.81	2.74
100	3.36	3.53	3.45



## TECHNICAL SPECIFICATIONS

### Bushfire Attack Level (BAL)

After the Canberra bushfires in 2003, the Australian Standard relating to building was reviewed and a new Australian Standard (AS 3959) Construction of Buildings in Bushfire prone areas was introduced nationally in 2009. The revised building standard has 5 risk levels (Bushfire Attack Levels-BALs). These being BAL12.5, 19, 29, 40 and BAL Flame Zone (FZ). There are increasing construction requirements that range from ember protection at the lower BAL levels to direct flame contact protection at the highest. The AS3959 standard increases the construction requirements on residential buildings so they are better bushfire protected.

Products used in external construction of houses should have a minimum BAL rating to ensure that building is undertaken in such a way that risk to people and property is minimised. It is a legislative requirement that a person or organisation who has suitable qualifications and experience undertakes the BAL assessment. RMAX commissioned Exova Warringtonfire, a


NATA accredited testing authority, specialising in BAL testing and certification to undertake their BAL 29 conformance testing.

The RMAX Batten Cavity EIFS cladding system has been tested for heat intensity and ember attack of bushfires in relation to AS 3959-2009. In doing so the RMAX OB Ultra Ground Floor EIFS system has met the requirements of AS 1530.8.1:2007 and is approved for use in bushfire prone areas up to and including BAL 29 as per information contained in the Exova BAL29 conformance certificate below.

**To meet the BAL 29 conformance requirements as tested by Exova Warringtonfire, RMAX Orange Board Plus™ render must be used and applied over the RMAX OB EIFS cladding panels and RMAX OB Ultra Starter panels at a minimum thickness of 5mm.** Furthermore The AS3959-2009 standard for construction in bushfire prone areas specifies all joints in the external surface material of walls shall be covered or sealed, to prevent gaps no greater than 3mm.

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EWFA CERTIFICATE OF ASSESSMENT		CERTIFICATE No: SFC 47899700.5 Page 1 of 1	
<b>Report Sponsor</b>	<b>Certificate Issue Date</b>	<b>Product Name</b>	
RMAX 2-4 Mephan Street Maribyrnong VIC, 3032	24/07/2018	RMAX Orange Board RMAX Thermawall RMAX ThermoWall Plus RMAX ThermoSilver Board RMAX Thermawall Silver RMAX ThermoWall Plus Silver PERIPOR® 300E EPS	
<b>Assessment Report Reference</b>	<b>Referenced Standard</b>	<b>Report Issue Date</b>	<b>Report Validity Date</b>
EWFA 47899700.5	AS 1530.8.1-2007	24/10/2018	31/08/2022
<b>Introduction</b>			
The element of construction described below was assessed by this laboratory on behalf of the report sponsor in accordance with the stated test standard and achieved the results stated below. Refer to the referenced test report(s) or Regulatory Information Reports for a complete description of the assessed construction.			
<b>Assessed Framed Wall system description and performance</b>			
<b>Framed wall Description</b>			<b>BAL</b>
The scope of the assessment includes the bushfire resistance performance of a framed wall system incorporating various rendered RMAX panels when tested in accordance with AS1530.8.1-2007 as appropriate for external walls. The assessed external wall system consisting of: <ul style="list-style-type: none"> <li>Timber framing or light gauge steel framing at least 70mm deep.</li> <li>Unexposed side faced with 10mm Gyprock plasterboard.</li> <li>Exposed side faced with 4.8mm minimum thickness RMAX OB Plus Orange Board render system coated over optionally M or X28 density grade 75mm or 100mm thick RMAX Orange Board or 28g/l PERIPOR® 300E EPS Board, RMAX ThermoWall Board, RMAX ThermoWall Plus Board, RMAX ThermoSilver Board, RMAX ThermoWall Silver Board or RMAX ThermoWall Plus Silver Board.</li> <li>Render mesh shall optionally be RMAX OB Ultra impact mesh or RMAX OB fibre glass Render Mesh</li> <li>Starting channel and meshed external angle shall optionally be made of PVC or aluminium alloy.</li> <li>Optional inclusion of X28 EPS Battens 40mm wide with thicknesses optionally from 10 to 25mm attached to framing for all systems, the EPS panels are then fastened to the stud frame through the EPS battens.</li> <li>Optional construction shall include a direct fix method, where the EPS panels are fixed directly to the stud frame.</li> <li>Sarking type to be generic in specification and installation.</li> <li>RMAX aluminium starter channel system incorporating 4.5mm thick x 100mm wide fibre cement sheeting coated with Supersec 2413 waterproofing membrane optionally replacing PVC starter channels</li> </ul> Refer the referenced assessment report No. EWFA 47899700.2 and R & D Test Reports EWFA 50050500.1 & EWFA 55326400.2 for a complete description of the assessed construction and EWFA 27710-05 referenced in the report for previously assessed variations.			<b>BAL: A29</b>
<b>Conditions/Validity</b>			
<ul style="list-style-type: none"> <li>THIS CERTIFICATE IS PROVIDED FOR GENERAL INFORMATION ONLY AND DOES NOT COMPLY WITH THE REGULATORY REQUIREMENTS FOR EVIDENCE OF COMPLIANCE.</li> <li>Reference should be made to the relevant test report or regulatory information report to determine the applicability of the test result to a proposed installation. Full details of the constructions and justification for the conclusions given, along with the validity statements, are given in the assessment reports.</li> <li>The assessment report or short form assessment report does not provide an endorsement by Exova Warringtonfire Aus Pty Ltd of the performance of the actual products supplied. It is intended to provide a brief outline of the above referenced assessment reports and not to replace them.</li> <li>The conclusions in this certificate of assessment relate to the configurations as detailed, and should not be applied to any other configuration. The conclusions expressed in this document assess fire hazard, but it should be recognised that a single test method will not provide a full assessment of fire hazard under all conditions.</li> <li>Full copies of the assessment and relevant test reports may be obtained from the sponsor.</li> </ul>			
<b>TESTING AUTHORITY</b>		<b>Reviewed By:</b>	
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Figure 8: RMAX Exova BAL 29 Test Certificate

## TECHNICAL SPECIFICATIONS

### Early Fire Hazard Properties (AS/NZS 1530.3-1999)

From tests conducted by AWTA, Division of Building Materials – NATA Accreditation # 1356, the following indices given in Table 9 have been determined.

**Table 9: Early Fire Hazard Properties Of The RMAX Batten Cavity EIFS Cladding Product Range Rendered Panel**

Material	Ignitability Index (0-20)	Spread of Flame (0-10)	Heat Evolved Index (0-10)	Smoke Produced Index (0-10)
RMAX Batten Cavity EPS EIFS Cladding Panel	7	0	1	4

**NOTE:** The core material in all RMAX Batten Cavity EIFS Cladding Products is expanded polystyrene. As with all other organic material, insulation products must be considered combustible and to constitute a fire hazard if improperly used or installed. Each of the RMAX Batten Cavity EIFS Cladding Product Range of panels contains a flame retardant additive to inhibit accidental ignition from small fire sources.

**Table 10: RMAX Batten Cavity EIFS Cladding Product Range Weighted Sound Reduction Index (Rw) Performance**

Panel Thickness	Construction	Rw
75mm	75mm Panel only + 25mm Batten + frame + sarking	12dB
75mm	75mm Panel + 25mm Batten + 5mm thick render + sarking + frame + 10mm thick plaster. (Full wall system)	38dB

**Table 11: Perceived Change In Decibel Levels**

Change in Sound Level	Perceived Change to the Human Ear
+1dB -1dB	Not perceptible
+3dB -3dB	Threshold of perception
+5dB -5dB	Clearly noticeable
+10dB -10dB	Twice (or half) as loud
+20dB -20dB	Fourfold (4x) change

**NOTE:** The threshold of perception of the human ear is approximately 3 decibels. A 5 decibel change is considered to be clearly noticeable to the ear whilst a 10 decibel change would be perceived to be twice as loud.

### Material Handling

The RMAX Batten Cavity EIFS Cladding Product Range of panels should be stored elevated, under cover and laid flat. Edges and corners of the panels are to be protected at all times. **The RMAX Batten Cavity EIFS Cladding wall panels should be rendered within 48 hours after installation to the timber or steel frame.** Prolonged exposure to the elements should be avoided, including exposed edges.

### UV Exposure

Continuous exposure to the elements of unrendered RMAX Batten Cavity EIFS Cladding panels may result in deterioration causing minor fretting of the exposed edges of the panels. Therefore, if the RMAX Batten Cavity EIFS Cladding panels are to be stored outside for extended periods of time prior to installation, the individual panels or panel stacks should be completely covered by a canvas or Ultra Violet light (UV) resistant type material. **Under no circumstances however should a clear plastic cover be used to cover the panels.**

### High Wind Exposure

When handling or installing the RMAX Batten Cavity EIFS Cladding panels in windy conditions, particular care should be taken. Due to the light weight nature of the panels, unsecured panels can be severely damaged or may cause damage in windy conditions.

### Heat Exposure

As EPS foam will begin to soften and shrink when exposed to elevated temperatures above 80°C, the RMAX Batten Cavity EIFS Cladding product range of panels and render finished wall facades should not be continuously exposed to temperatures in excess of 80°C, as expansion and blistering of the panels and or rendered wall may occur. Thus it is highly recommended that **any equipment that generates high levels of radiant heat such as outdoor barbecues or outdoor patio gas heaters etc, should be kept at a minimum of 2 metres away from any exposed RMAX EIFS Cladding Product Range cladded panel wall.**

### Chemical Resistance

RMAX EIFS Cladding Panels are chemically resistant to most water based materials. Resistance to diesel fuel, paraffin oils and vegetable oils however is limited, thus prolonged contact should be avoided. **EPS will however be attacked by hydrocarbons, ketones, esters and solvents. Exposure to these chemicals should be completely avoided.** Refer to the RMAX Isolite® EPS Material Safety Data Sheet for further details regarding storage and handling and compatibility with other chemicals. The RMAX Isolite® EPS Material Safety Data Sheet can be provided upon request.

## TECHNICAL SPECIFICATIONS

### Impact Resistance

The RMAX Batten Cavity EIFS Cladding system when installed according to the RMAX specifications and installation manual will provide resistance to most impact loads that are likely to occur in normal residential operating conditions. **In line with good building practice however, a design engineer should always be consulted to assess suitability.** Where a building or structure is likely to be exposed to high impact loads, the use of any of the RMAX range of Batten Cavity EIFS Cladding systems may not be appropriate.

The RMAX Batten Cavity EIFS Cladding Product Range has been designed specifically for application in the second storey of Class 1 and 10 Residential building constructions only and cannot be installed in any ground floor or single storey applications. Where it is desired for an RMAX EPS EIFS cladding system to be installed as external cladding on the ground floor of a double storey residential construction or on a single storey residential construction, the higher impact resistance, premium grade RMAX Ground Floor EIFS cladding system is to be installed.

Please refer to the RMAX Ground floor EIFS technical installation brochure for ground floor or single storey EIFS cladding installation. The RMAX Ground floor EIFS technical data and installation manual can be downloaded directly from the RMAX website at [www.rmax.com.au](http://www.rmax.com.au)

### Termite and Pest Control

The project manager/ builder must comply with all relevant BCA and local council requirements as they pertain to termite and pest control in accordance with Australian Standard AS 3660.1:2000.

### Fire Resistant Level (FRL)

Volume 2 of the BCA (Part 3.7.1) specifies the requirements for residential buildings for minimum fire resistance performance for external walls, where the external wall is located at less than 0.9m from an allotment boundary or less than 1.8m from a separate building structure on the same allotment. In these circumstances where a party or boundary wall requirement exists, a minimum Fire Resistance Level (FRL) of 60/60/60 is required for BCA compliance in Class 1 and 10 buildings.

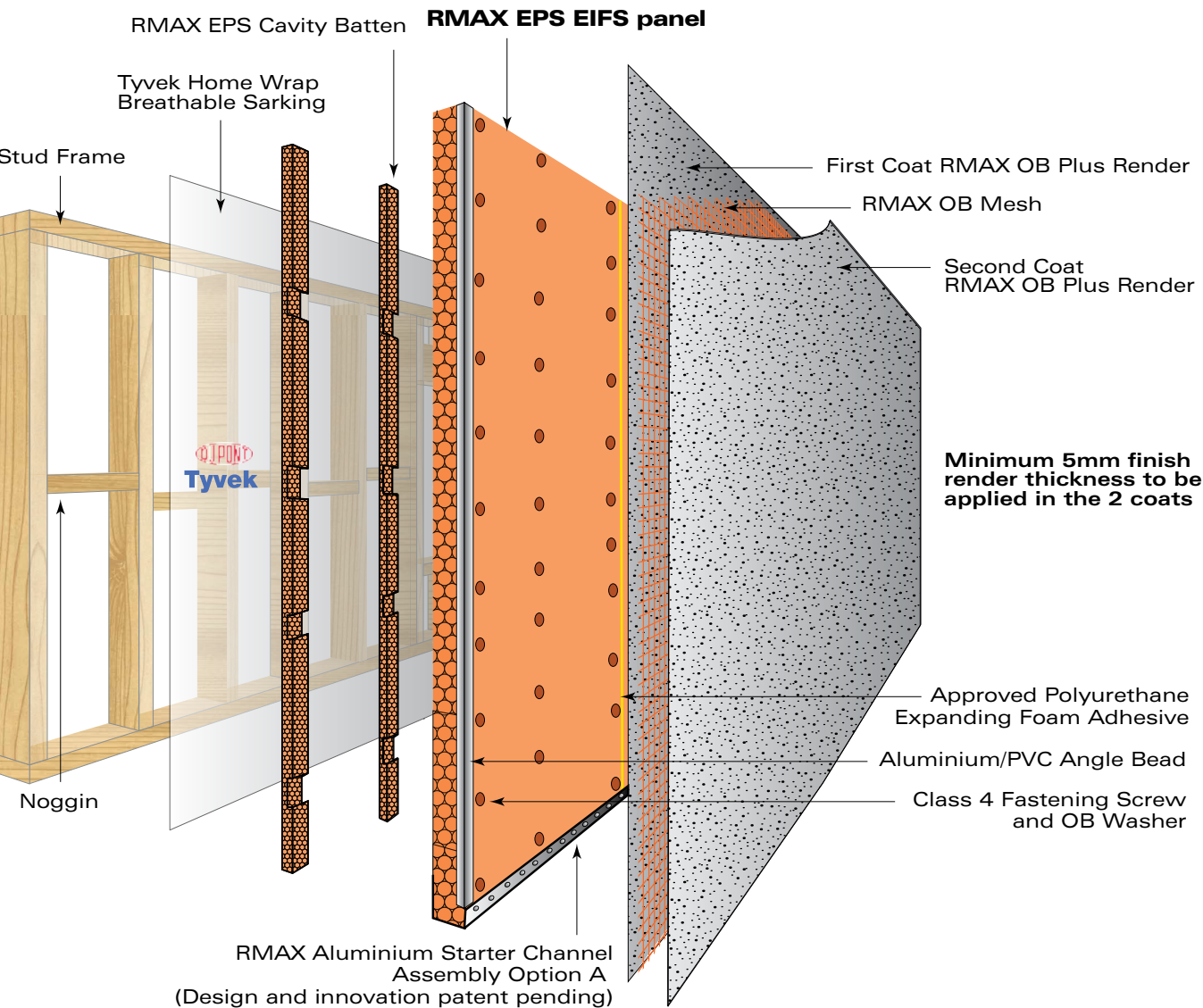
The RMAX Direct Fix EIFS system is not suitable for use as a FRL rated external wall cladding system for boundary walls and / or party walls as a standalone walling system. Where a FRL level / rating is required for such installations, an appropriate FRL rated wall cladding system must be specified.

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INSTALLATION GUIDELINES



Exploded View of RMAX Batten Cavity EIFS System

Cross Section Detail of RMAX Batten Cavity EIFS System

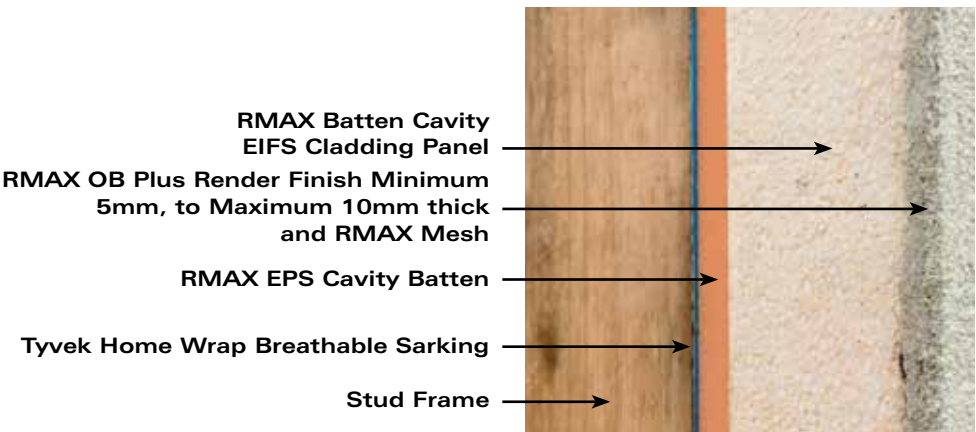


Photo 6. Cross section of complete RMAX Batten Cavity EIFS System.

NOTE: DRAWINGS NOT TO SCALE

## INSTALLATION GUIDELINES

### Product Waste Management

Due to the lightweight nature of the RMAX Batten Cavity EIFS cladding panels, all panel off cuts and waste should be collected, secured in appropriate waste collection bags and disposed of in accordance with local council or government regulations.

### Before Commencing Installation

Before commencing installation of the RMAX Batten Cavity EIFS system, ensure that you have read the RMAX Batten Cavity EIFS system Technical Specification and Installation Manual in full.

### Penetrations

All penetrations are a potential source of water ingress and spread of fire if not properly installed and are therefore required to be properly sealed with an approved fire rated flexible sealant such as Fire Sound acoustic Fire Rated sealant. Back blocking should be installed to allow for attachment of items that may be required such as electricity meter boxes, external taps, external light fittings, HVAC connections, balustrades and other building services.

### Placement of Expansion / Control Joints

Prior to installation of the RMAX Batten Cavity EIFS system Cladding Panels to the stud frame, determine expansion joint placement by consulting with a Design Engineer to calculate the deformation / stress due to soil / structure movement, deflection due to load bearing on roofing structures and to specify location of expansion/control joints.

**Placement Guide: Expansion joints should occur where any of the RMAX EIFS Cladding Product Range of panels meet other substrates / cladding materials. The following is a guide only and does not negate the user's responsibility to consult a Design Engineer.**

In line with good building practice, placement of vertical expansion joints should not exceed 5 metres where the wall length is greater than 8 metres. Joints should be placed to align with large door and window openings and internal corners. Double studs are necessary at all vertical expansion joints.

Vertical expansion (Control) joints must be continuous across all panels. i.e. They must be continuous from the top of the wall to the bottom of the wall and must cut across the RMAX EPS EIFS Panel and Starter Channel.

Typical vertical control joints are nominally 10mm-12mm wide and horizontal control joints are nominally 15mm-20mm wide and filled with an approved paintable flexible sealant.

Spacing of horizontal expansion joints should not exceed 3 metres.

For expansion joint installation details please see pages 26 and 27.

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## INSTALLATION GUIDELINES

### Planning

Prior to installing any of the RMAX Batten Cavity EIFS Cladding Product Range of panels, liaise with the builder to enable solid back blocking to be installed where fixtures are to be fitted to the finished construction; e.g. balustrade, handrails, clothes lines, large light fittings, hot water services, air-conditioning units, etc.

### DuPont™ Tyvek® HomeWrap® Installation

DuPont™ Tyvek® HomeWrap® is a flexible wall underlay designed for use behind cladding systems on timber and steel framed buildings and is required to be installed as part of the RMAX Batten cavity EIFS cladding system.

Tyvek® HomeWrap® is a fully synthetic non-woven high density polyethylene homogenous sheet, manufactured using a spun-bond process and specifically treated to provide high water resistance, high water vapour permeability and high air barrier technical properties.

Tyvek® HomeWrap® has been designed for use as a wall underlay behind cladding systems in residential and commercial timber and steel framed buildings as a means to provide the building with a secondary weather barrier against water ingress, and provide air barrier properties to improve effectiveness of bulk insulation. Tyvek® HomeWrap® has a high water vapour permeability to assist in managing moisture in the wall cavity.

Installation of Tyvek® HomeWrap® must be carried out by competent tradesperson with an understanding of permeable wall sarking installation. Installation must be carried out in accordance with the information below and other relevant technical literature as published by DuPont™ on their website at [www.buildingknowledge.dupont.com](http://www.buildingknowledge.dupont.com) or <http://construction.tyvek.com>

- Always install wall sarking prior to cladding or window installation.
- Ensure that Tyvek® HomeWrap® is pulled taut and fixed to steel or timber framing with galvanised clouts, staples or self-taping screws at maximum 300mm centres.
- Run the product horizontally across the frames, leaving coverage of both the top plate and bottom plate.
- For horizontal laps, ensure there is a minimum of 150mm laps, and for vertical laps, ensure minimum of 150mm lap beyond a full stud span. Always install the underlay in a shingle fashion, ensuring the top layer is always over the lower layer. If vertical laps are taped, lap can be reduced to 50mm.
- Position laps over frame members.
- In a drained cavity situation, where studs are spaced greater than 450mm, support the sarking with polypropylene strapping to prevent the insulation from pushing the Tyvek® HomeWrap® against the back face of the cladding.
- Appropriate head flashings are to be installed over the top of the Tyvek® HomeWrap®.

- Head flashings must be fitted before aluminium adhesive flashing tape is used to seal the junction of the head flashing and the Tyvek® HomeWrap® sarking.
- Avoid leaving the wall sarking exposed beyond the cladding or within 100mm of finished ground level to prevent wicking of moisture.
- Repair any rips or tears with self adhesive aluminium flashing tape or Dupont™ Tyvek® Tape.
- Tyvek® HomeWrap® must not be exposed to the elements beyond 120 days.
- Tyvek® HomeWrap® must be separated from flues, chimneys and fireplaces minimum of 50mm and in accordance with the requirements of the 2019 BCA codes for the protection of combustible materials.
- Allow any LOSP (light organic solvent preservative) to flash off for 2 weeks prior to installation of the Tyvek® HomeWrap®.
- Tyvek® HomeWrap® cannot be used as a roof sarking.

**The Tyvek® HomeWrap® installation information above may have been updated by DuPont™ since the RMAX Batten cavity EIFS technical brochure was first published. Thus it is recommended that the <http://construction.tyvek.com> website is reviewed for the latest Tyvek® HomeWrap® installation information.**

**Failure to Install the Tyvek® HomeWrap® wall sarking or replacement of the Tyvek® sarking with an alternative non approved sarking is not permitted under any circumstance. Substitution of Tyvek sarking with a non approved sarking alternative will render the RMAX Batten Cavity EIFS system product warranty and associated Codemark certification as null and void.**

### Weatherproof Flashing Tape

Install approved self adhesive aluminium flashing tape for weatherproofing around all window frames, including sills, doors, openings, penetrations, intersections, connections, heads and jambs. All areas must be flashed prior to batten and panel installation. The approved flashing tape must cover both wall wrap and substrate to ensure a closed weatherproof seal is achieved.



Photo 7. Installation of Sarking to frame.

## INSTALLATION GUIDELINES

### Method Of Fixing

#### Batten Installation

The RMAX EPS cavity battens are to be attached directly to the individual stud members with class 4 galvanised clouts. The cavity battens should only be installed directly over the stud frame vertical members (**i.e. not to be applied to noggins**) only after the frame has had the Tyvek Home Wrap breathable sarking (building wrap) applied.

Although the RMAX EPS cavity battens are nominally supplied in 1250mm lengths, they can be cut to shorter lengths as and where required, assisting with ease of installation in certain situations. If the RMAX EPS battens are to be cut to a shorter length, the installer must ensure that the entire stud length from floor level to ceiling height, is completely covered by the RMAX EPS cavity batten.

The cavity battens should be installed so that they are positioned centrally over each stud. Two clouts attached at either end of the batten are required as a minimum to securely fasten the batten to the stud. Clouts should be minimum 35mm in length. Battens should be installed such that they butt up against one another ensuring that no gaps are present between individual battens. Ensure that all the studs have been battened over prior to installation of the RMAX EIFS EPS Cladding panels.

Installation of the RMAX EPS cavity battens facilitates the creation of a cavity between the RMAX EIFS EPS Cladding panels and the stud frame and Tyvek Home Wrap sarking.



Photo 8. Installation of RMAX EPS Cavity Battens to frame over Sarking.

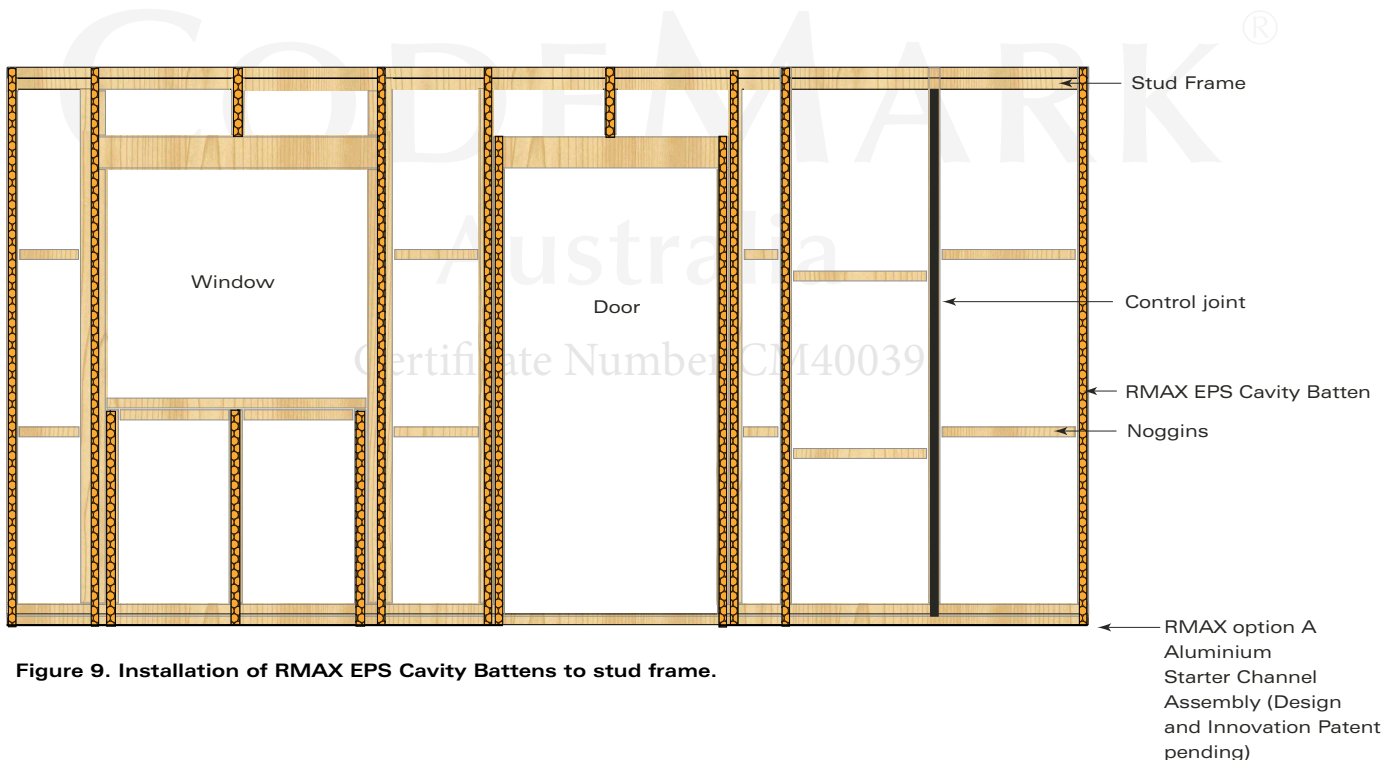


Figure 9. Installation of RMAX EPS Cavity Battens to stud frame.



## INSTALLATION GUIDELINES

### RMAX Batten Cavity EIFS Cladding Panel Installation

The RMAX Batten Cavity EIFS Cladding Product Range of panels can be installed either vertically or horizontally against the stud frame. The panels are screwed directly to the frame through the cavity battens. When fastening the panels to the frame through the battens, **take note of the batten clout positions prior to installation of the panels to ensure that the panel fastening points are not placed in the same position as the batten fastening points.** Fastening Screw heads and washers should be slightly recessed into the surface of the panel.

**(Note: Care should be taken so as to not overdrive the fixing into the panel as this could strip the OB washer reducing the effectiveness of the fixing). Panels should not be bonded (glued) to studs.** This allows the frame to flex without stressing the external render.



Photo 9. Installation of RMAX EIFS Cladding Panel through Cavity Battens to frame.

#### Panel Joins

All joins between the RMAX Batten Cavity EPS Cladding Panels should be glued with a suitable polystyrene compatible polyurethane construction adhesive. Contact your local RMAX distributor for a list of compatible polyurethane construction adhesives. **Ensure that the polyurethane adhesive is applied on the exposed end of an already fastened panel.** The next panel to be installed should then be positioned so that it is butted up hard against the already installed panel with the polyurethane expanding foam adhesive already applied. The polyurethane foam adhesive will expand to fill any gaps between the panels as they cure. This helps to maintain water and weather tightness of the cladding system.



Photo 10. Polyurethane Adhesive Foam application to panel ends.

### RMAX Pre-Rendered EIFS Cladding Panel Mesh Installation

**Information below only applicable to RMAX pre-rendered EIFS Cladding Panels.**

After installation of the RMAX Pre-Rendered EIFS Cladding Panels to the stud frame over the RMAX battens, reinforce all panel joints with a minimum 150mm wide fibreglass strip of alkaline resistant 160g/m<sup>2</sup> mesh trowelled over panel joints during first base coat render. The fibreglass mesh strip is to be applied evenly and run the full length of the joints. Ensure that the panels are butted up hard against one another. Refer to Fastener Positioning detail on pages 23 and 24. Typical Corner and Joint details are to be adhered to. Refer to pages 21, 22, 25 and 26



Photo 11. Panel joins with separate 150mm wide 160gsm fibreglass mesh strips applied directly over panel joins. **(ONLY APPLICABLE TO PRE-RENDERED PANELS).** All pre-rendered cladding panel joins to have reinforcing mesh applied over them as shown.

### Plain and Grooved EIFS Cladding Panel Mesh Application

Apply a 2-3mm basecoat of the RMAX Orange Board™ Plus render system onto the RMAX Batten Cavity EIFS Cladding Panels using a steel trowel with enough pressure to adhere the product. Whilst the basecoat is wet, embed a full layer of alkali resistant Orange Board™ 160gsm (5mm x 5mm), woven fibreglass mesh ensuring that the mesh pieces overlap by a minimum of 100mm at mesh joins.

RMAX EIFS Cladding panel joins should be evenly covered with the same embedded mesh (avoid overlap of mesh joins near the main panel joint). Strips of mesh at 45 degree angle or equivalent, 400mm long by 200mm wide, should be embedded across the corner of all window and door openings. Refer window application detail page 22. In the same sequence apply another coat of RMAX OB Plus render at a thickness of 2-3mm on top of the full mesh, embedding the mesh between these two layers of render. Use a straight edge and screed surface or if using a polystyrene float, finish the surface to achieve an even and true surface. **Do not render over control joints.**



Photo 12. Embedding of Fibreglass Mesh into first Orange Board™ Plus render coat.

## INSTALLATION GUIDELINES

### Back Blocking of Stud Joints

Where RMAX Batten Cavity EIFS Cladding Panel sides or ends do not finish on a stud, solid back blocking should be installed to strengthen and align joints. Back blocks are cut from off cuts of stud material. The back blocks can be placed aligned with the joint or placed at 300mm centres perpendicular to the joint. Back blocks are to be nailed securely to the frame.

Where possible, double studs should be installed in accordance with the diagram on pages 23 and 24, whenever two RMAX Batten Cavity EIFS Cladding Panels butt up to each other. Where panel joints occur other than at the stud interface, double back blocking is to be installed to ensure that each RMAX Batten Cavity EIFS Cladding Panel is fastened to its own individual block. Where the end of an RMAX Batten Cavity EIFS Cladding Panel does not line up with a stud and does not adjoin another RMAX Batten Cavity EIFS Cladding Panel, a single back block is sufficient. RMAX Batten Cavity EIFS Cladding Panels are to be fixed to back blocks in the same manner as fixing panels to the stud frame. Refer to Fastener Positioning detail on pages 23 and 24. Typical Corner and Joint details are to be adhered to. Refer to pages 21, 25 and 26.

### Cutting of Panel

For a clean, fast, accurate and no mess cut, RMAX recommends using a standard diamond masonry blade or fibre cement blade to cut the RMAX Batten Cavity EIFS Cladding Panels. For more intricate cuts a hot knife or handsaw is recommended to be used.

### Installation of External Beads and Angles

All 90° angle corners must be protected with an approved aluminium or PVC bead. Any exposed edges (roof line, windows, doors, edge of concrete slab, etc.) should be covered with fibreglass mesh as specified on pages 24, 25, 26 and finished with an aluminium or PVC bead, which will protect the panel and provide a clean finish line for coatings.

Aluminium or PVC meshed corner angles should be affixed directly to all RMAX Batten Cavity EIFS cladding panels where two RMAX EIFS EPS panels butt up and intersect at external or internal corners as per the details on page 22 and 25.

The corner beads should be installed directly to the RMAX Batten Cavity EIFS cladding panels using either Selleys Liquid Nails Fast Grab or Selleys Liquid Nails Instant Hold construction adhesive as per the details shown on page 21. **(Polyurethane foam adhesive cannot be used for this particular application).**

Apply a 3-4mm thick bead of Selleys Liquid Nails down the centre of both sides of the angle before positioning the angle up against the RMAX Batten Cavity EIFS cladding panel edge. Where a corner angle junction occurs (window or door corner) cut a 45 degree angle on both intersecting ends of the angle so that the ends of the bead will sit flush against one another (mitre join).

Once the corner angles have been installed around the door or window reveals, wipe off any excess adhesive that may be protruding through the perforated openings in the angle and check that the angles are straight and level using a spirit level gauge.

**NOTE: External beads must be installed where ever RMAX Batten Cavity EIFS EPS cladding panels have been installed such that they are adjacent to another building substrate i.e. brick, timber, concrete etc.**

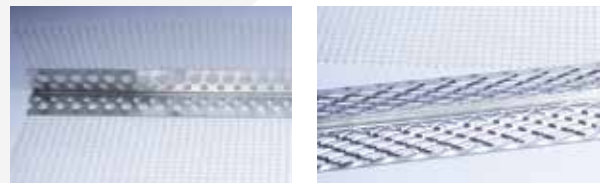


Photo 13. Aluminium and External Angles.

### Expansion (Control) Joints

Prior to installation, determine expansion joint placement by consulting with a Design Engineer to calculate the deformation / stress due to soil / structure movement, deflection due to load bearing on roofing structures and to specify location of expansion / control joints. **Expansion joints must occur where the RMAX Batten Cavity EIFS Cladding Panels meet other substrates / cladding materials. Vertical expansion (control) joints must be continuous across all panels. i.e. They must be continuous from the top of the wall to the bottom of the wall and must cut across the Starter Channel.** This technical manual provides some practical details to perform the expansion joint. Refer to page 27 for more information.

## INSTALLATION GUIDELINES

### RMAX Starter Channel installation Assembly Option A (Design and Innovation patent Pending)

The RMAX Starter channel Assembly Option A is to be installed such that it sits in line with the bottom of the floor joist. The starter channel is to be affixed with class 4 screws to the ends of the floor joists above flashing. Where required, back blocking may need to be installed to facilitate fastening of the starter channel assembly option A to the bottom of the floor joist as shown in the roof junction detail on page 31.

A minimum 10mm gap must be maintained above the roof surface (be that tiles, colorbond sheeting or other roofing material). Depending on the roof pitch, this gap may vary. The starter channels are to be butt joined and sealed at the junction with an approved polyurethane sealant. Fire sound fire rated sealant to be applied along the back edge of the starter channel assembly option A which is coming into contact with the floor joist end. **Ensure that the sealant when applied does not cover any of the weep slots in the starter channel assembly option A.**



Photo 14. RMAX Option A, Batten Cavity EIFS aluminium Starter Channel assembly (design and innovation patent pending)

When installing the RMAX starter channel Assembly Option A above a deck, flat or pitched roof, ensure a gap is maintained between the bottom of the RMAX starter channel assembly option A and the finished level.

Ensure that the Tyvek home wrap sarking bottom edge is sitting on the inside of the RMAX option A starter channel. This installation detail ensures that any water that drains down the face of the Tyvek sarking will be collected within the starter starter channel and will be able to effectively drain out through the weep slot design at the base of the channel assembly. Refer to roof junction detail on page 31 for further details.

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## INSTALLATION GUIDELINES

### RMAX ORANGE BOARD PLUS RENDER SYSTEM PRODUCT DESCRIPTION

Forming part of the RMAX Batten Cavity EIFS Cladding board coating system, RMAX Orange Board™ Plus Dry Mix Render is a superior quality polymer modified render containing washed and graded medium silica sand, acrylic powder and proprietary additives. RMAX has developed this proprietary render system which can be applied to any and all of its range of EIFS EPS cladding wall panels.

RMAX Orange Board™ Plus render provides the ideal base for the subsequent application of a variety of top coats.



Photo 15. RMAX Orange Board™ Plus Render.

#### Key Benefits

- Factory blended for dependable consistency and performance
- Superior adhesion to EPS base panels
- Eliminates on-site mixing errors
- Just add water - No other additives required

### Substrate Preparation

- Ensure RMAX Batten Cavity EIFS Cladding Panels have been installed in accordance with the requirements in this brochure.
- Ensure that the RMAX Batten Cavity EIFS Cladding Panels and any other surfaces to be rendered are clean and free of any contaminants including oil, mould release, dust, dirt, silicone, mud, grease, salt, efflorescence, animal droppings and any loose or flaking material that may compromise the adhesion of the render system.
- **RMAX Batten Cavity EIFS Cladding Panels should always be rendered within maximum 48 hours (2 days) from time of installation to stud frame.** Prolonged exposure to Ultra Violet (UV) light may cause uncoated RMAX Batten Cavity EIFS Cladding Panels to deteriorate, which may lead to failure of the render system.
- **Areas of the wall system not being rendered / coated should be masked and protected from render and coating materials until completion of the job whereby the masking material can be removed.**

### Preparation of Render Mix

- Add approximately 3 litres of clean water to a suitable mixing vessel and slowly add RMAX Orange Board™ Plus Render powder whilst stirring with a power mixer.



Photo 16. Preparation of RMAX Orange Board™ Plus Render Mix by addition of render and water.



## INSTALLATION GUIDELINES

### Preparation of RMAX Orange Board™ Plus Render Mix (continued)

- Continue stirring until all lumps have been dispersed and a uniform paste has been achieved.
- Add extra water (as required) to achieve the desired consistency. The final mix should hold a soft peak on the hawk. Mixing the material so that it is too runny or too stiff will make the material difficult to apply and finish.
- Adjust RMAX Orange Board™ Plus Render consistency with a small amount of water and re-stir if necessary. Do not add water after setting has commenced.
- RMAX Orange Board™ Plus render will require approximately 3.5 - 4.0 litres of water per 20kg bag of RMAX Orange Board™ Plus Dry Mix Render for a correct mix ratio to be achieved.
- Allow RMAX Orange Board™ Plus Render to activate for around 3 to 5 minutes prior to application to the RMAX EIFS Cladding Panels.

### RMAX Orange Board™ Plus Render Application and Finishing

#### Render Tools and Equipment Required:

- Hawk and steel trowel, polystyrene float, plastic floats, straight edge, sponge, power mixer, masking tapes, drop sheeting, appropriate personal protective equipment, (PPE).
- Apply a 2 - 3 mm base coat of RMAX Orange Board™ Plus render on to the RMAX EIFS Cladding Panel using a steel trowel with enough pressure to adhere the product.



Photo 17. Application of first coat of RMAX Orange Board™ Plus render.

- Whilst the RMAX Orange Board™ Plus render is wet, embed the Orange Board™ 160 gsm alkali-resistant fibreglass reinforcing mesh and trowel over to ensure full immersion of the mesh. Where fibreglass mesh strips meet, a 100 mm overlap must be provided. **Always avoid overlapping of fibreglass sheet edges at RMAX EIFS EPS Cladding Panel joins as this may compromise system integrity.**



Photo 18. Application of Fibreglass Mesh over first RMAX Orange Board™ Plus render coat.

- Embed all fibreglass mesh / aluminium trims and angles in the first coat of RMAX Orange Board™ Plus render.
- All openings such as windows and doors must be diagonally reinforced with 400 mm x 200 mm 160 gsm fibreglass strips embedded in the first render coat. Refer page 20.
- Once the initial RMAX Orange Board™ Plus render coat has sufficiently set, apply a second coat of RMAX Orange Board™ Plus Render at a thickness of 2-3mm directly on top of the fibreglass mesh, embedding the fibreglass mesh between the two layers of render. The application of the two coats of RMAX Orange Board™ Plus Render and embedded fibreglass mesh should bring the total finished render thickness to between 5-10mm. **(5mm is the minimum finished application thickness required for CodeMark certification and BAL29 compliance to be achieved).**



Photo 19. Embedding of Fibreglass Mesh into first RMAX OB Plus render coat.

- Use a straight edge and screed surface or if using a polystyrene float, finish the surface to achieve an even and true level surface appearance ready for the application of the primer coat and decorative finish.
- Where possible freshly applied render should be protected from rain or running water for a period of 48 hours.
- **Allow rendered surface to cure for a minimum of 4 days from final RMAX Orange Board™ Plus render coat application prior to priming. (In cold and or humid/wet conditions a minimum of 7 days curing time is recommended).**
- RMAX Orange Board™ Plus Render should not be applied in hot or windy conditions and should be protected from rain or running water until hard initial set has been achieved.
- **Do not render over control joints.**

### RMAX OB Plus Render

RMAX Orange Board™ Plus Render to be applied strictly in accordance with the RMAX render installation instruction requirements in this manual pgs 18 through 20, in 2 coats, at a minimum thickness of 5mm and a maximum thickness of 10mm to ensure compliance to BAL 29 and Codemark™ Certification requirements.

## INSTALLATION GUIDELINES

### Primer Coat Application

Ensure rendered surface to be primed is dry and free from any loose or flaky material prior to commencing. Where required, remove efflorescence with a wire brush. Apply primer using a brush roller or proper spray equipment at a rate of approximately 5-6 square metres per litre.

### Application of Finish Coat

The RMAX Orange Board™ Plus render system is compatible with most acrylic and some cement-based finish coating systems. **RMAX recommends the use of RMAX OB Texture and RMAX OB Membrane finishing coating systems in conjunction with the base RMAX Orange Board Plus Render System.** Apply selected coating system in strict accordance with the manufacturer's specifications. **To maximise longevity of the overall coating system, RMAX recommends the application of an elastomeric membrane with an Light Reflective Value (LRV) of minimum 35%, (light to mid shades only).**

**Always confirm suitability and compatibility of the selected finish coating system for application over the RMAX Orange Board™ Plus render system with the manufacturer, prior to application.**

### Render top Coat Colour Selection

RMAX advises that the use of dark render colours or shades be avoided where ever possible - Dark colours absorb the suns radiant heat energy much more so than lighter colours resulting in higher average cladding surface temperatures compared to lighter colours. These elevated temperatures can lead to premature deterioration and damage to the render system. In order to avoid this potential for premature deterioration or damage, **RMAX recommends the use of render colours or shades with a minimum Light Reflective Value (LRV) of 35%.**

### Pot Life

RMAX Orange Board™ Plus Render will have a pot life of approximately 1 hour from time of mixing. Warmer weather may reduce this time significantly. **Do not add water to mix as it begins to harden.** Addition of water after commencement of set will result in a reduction of strength in the finished render.

### Wash Up

Due to the high polymer content, RMAX Orange Board™ Plus Render should not be allowed to dry on tools. **Always clean tools with clean water immediately following use.**

### Curing

Whilst the initial set of RMAX Orange Board™ Plus Render will occur in a matter of hours, full coating strength will not be achieved for 28 days from date of final render coat application.

### Supply and Packaging

RMAX Orange Board™ Plus Render is supplied in 20 kg plastic multi-lined paper sacks. Where required, RMAX Orange Board™ Plus Render can also be supplied in pallet lots.

**Table 12: RMAX Orange Board™ Plus render material technical data**

Appearance	Light grey gritty powder with slight odour when mixed.
Application	Hawk and trowel, render machine or hopper gun.
Specific Gravity	2.57 - 2.6
Bulk Density	1600 -1850 kg/m3
Particle Size	<2 mm
Flammability	Not applicable
Curing Time	Apply top coat after 4-7 days. Full cure in 28 days.

### Shelf Life

RMAX Orange Board™ Plus Render has a shelf life of one year from date of render manufacture, if stored in dry conditions above floor level.

See packaging for date of manufacture information.

## SAFETY AND HANDLING OF RMAX ORANGE BOARD® PLUS RENDER

The RMAX Orange Board™ Plus Render raw material is hazardous according to criteria of National Occupation Health and Safety Commision (NOHSC). Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail. Please refer to RMAX Orange Board™ Plus Render Material Safety Data Sheet before use, (available at [www.rmax.com.au](http://www.rmax.com.au)); when working with render observe the usual precautions for handling cement based mortars and renders including:

- Avoid inhalation of the dust, wear suitable respiratory protection mask, avoid prolonged skin contact with wet mortar and eye contact (contains sand based crystalline silica).
- Wear personal protective clothing and protective gloves to minimise skin contact and wear safety glasses / goggles or a full face mask when mixing or applying render.

### FIRST AID MEASURES

#### Ingestion

If swallowed, wash mouth out with water. **DO NOT induce vomiting.** Drink at least two (2) glasses of water (500mL). Seek medical attention.

#### Eye

Wash with copious amounts of water for a minimum of 15 minutes holding eyelid(s) open. Take care not to rinse contaminated water into non-affected eye. Seek medical attention.

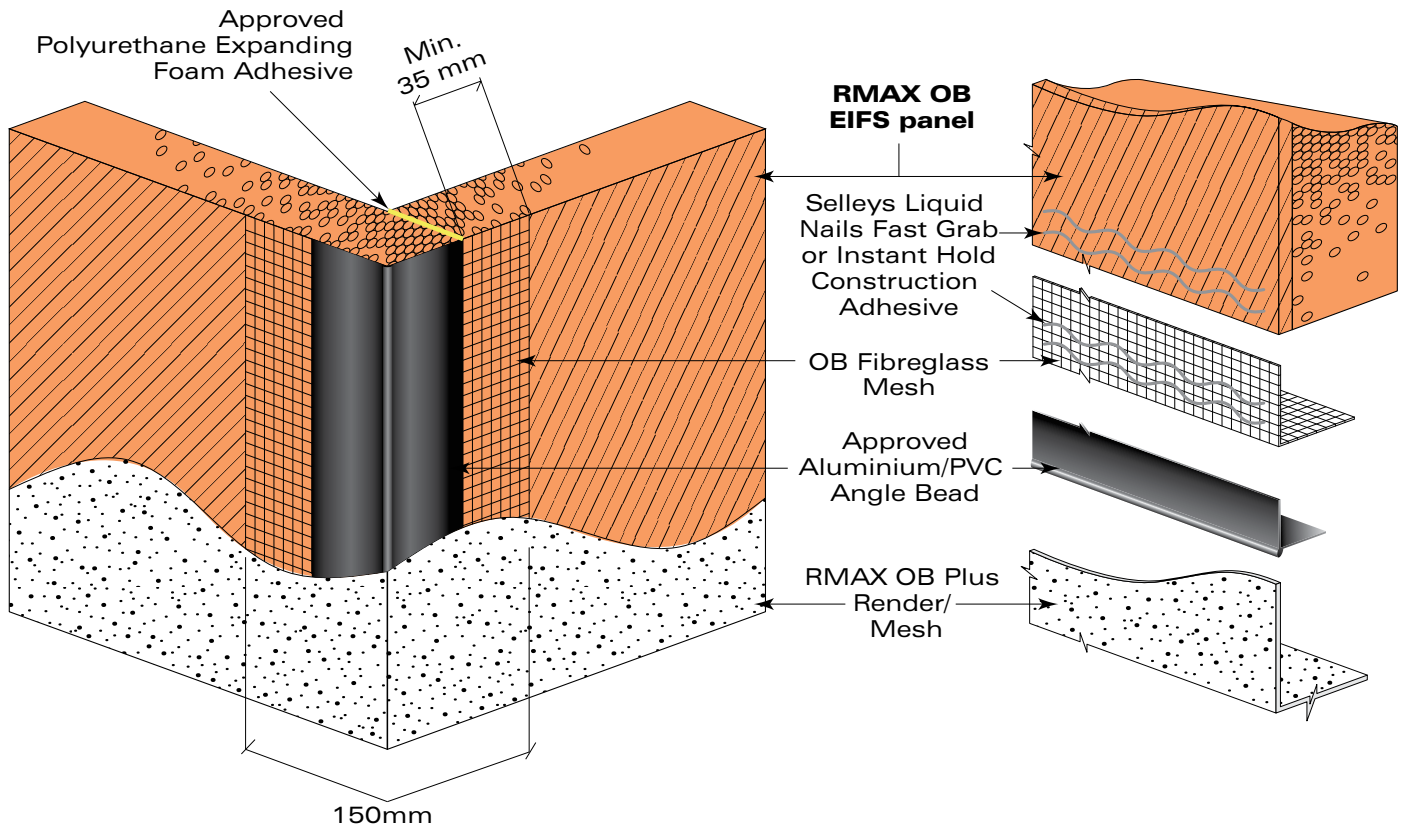
### General Health and Safety Procedures Think Safe. Act Safe.

To assist in maintaining a safe and healthy workplace, take note of the following:

- Ensure the workplace is safe. This includes attention to plant and equipment.
- Insist that safe work methods are always practiced.

Certificate Number

## INSTALLATION GUIDELINES



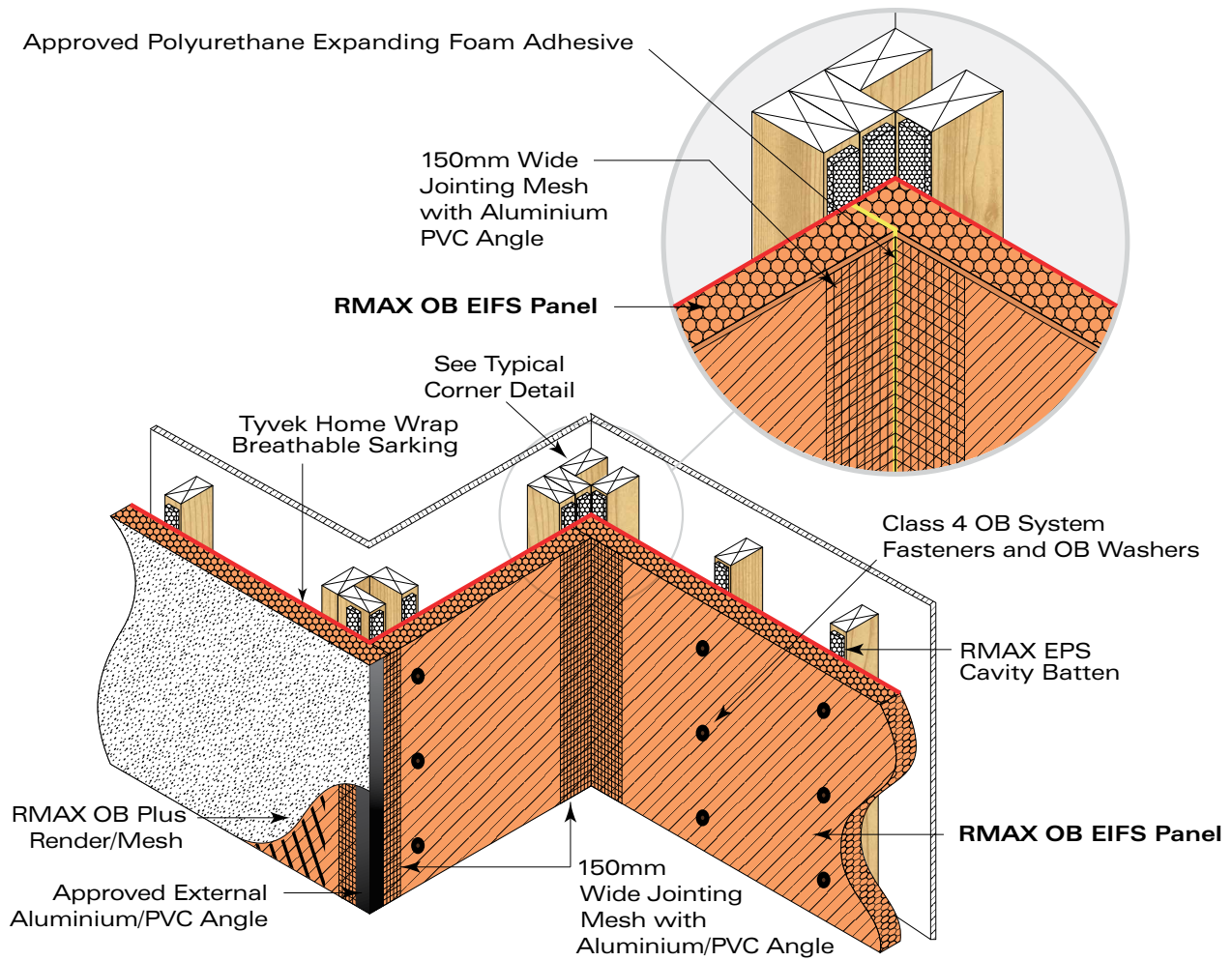
**Typical Corner Detail**

**PLEASE NOTE: ALL INSTALLATION DIAGRAMS ON THE PROCEEDING PAGES DISPLAY THE RMAX CAVITY BATTENS IN WHITE RATHER THAN THEIR ACTUAL ORANGE COLOUR FOR EASE OF DIAGRAMATICAL REVIEW AND INTERPRETATION.**

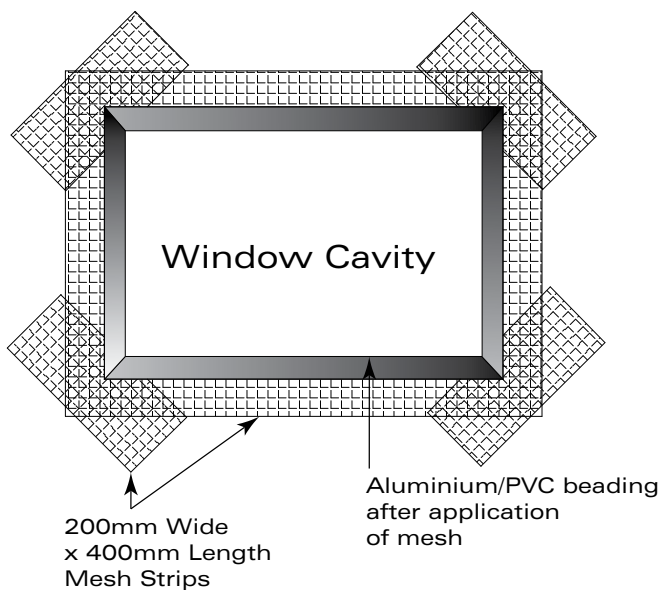
**NOTE: DRAWINGS NOT TO SCALE**

## INSTALLATION AND FIXING DETAILS

Approved Polyurethane Expanding Foam Adhesive



## Typical Internal And External Corner Detail



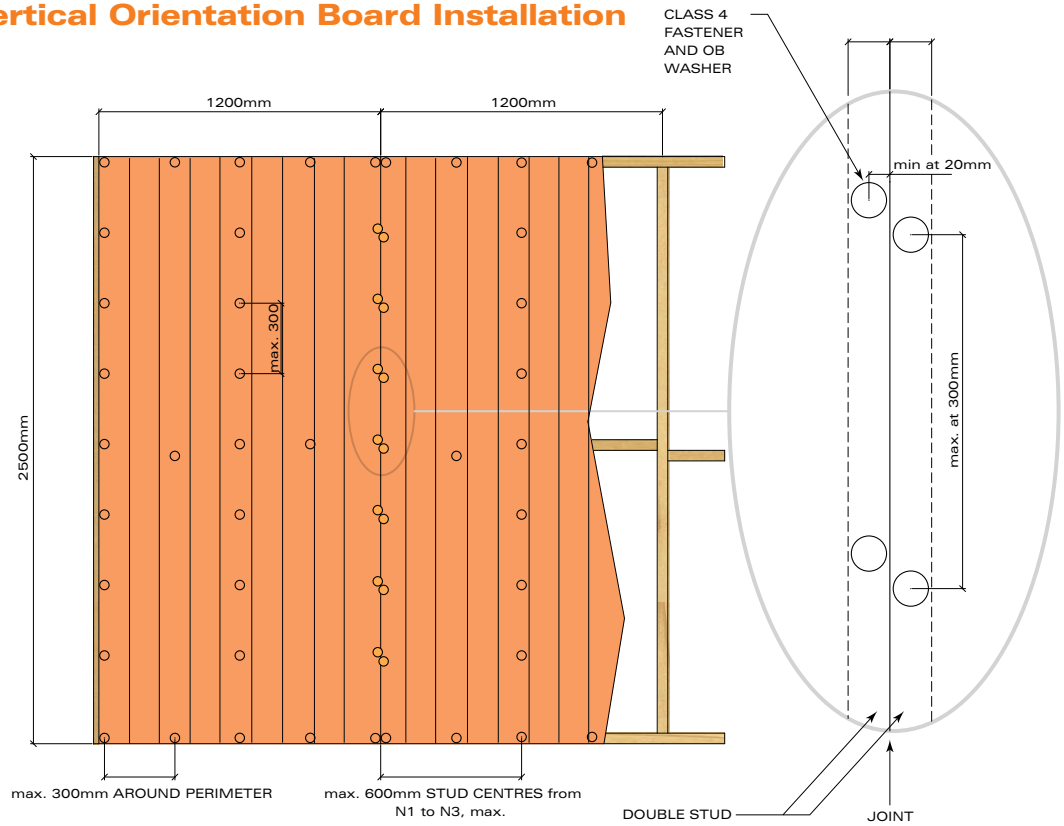
## Window Application Detail

**NOTE: DRAWINGS NOT TO SCALE**



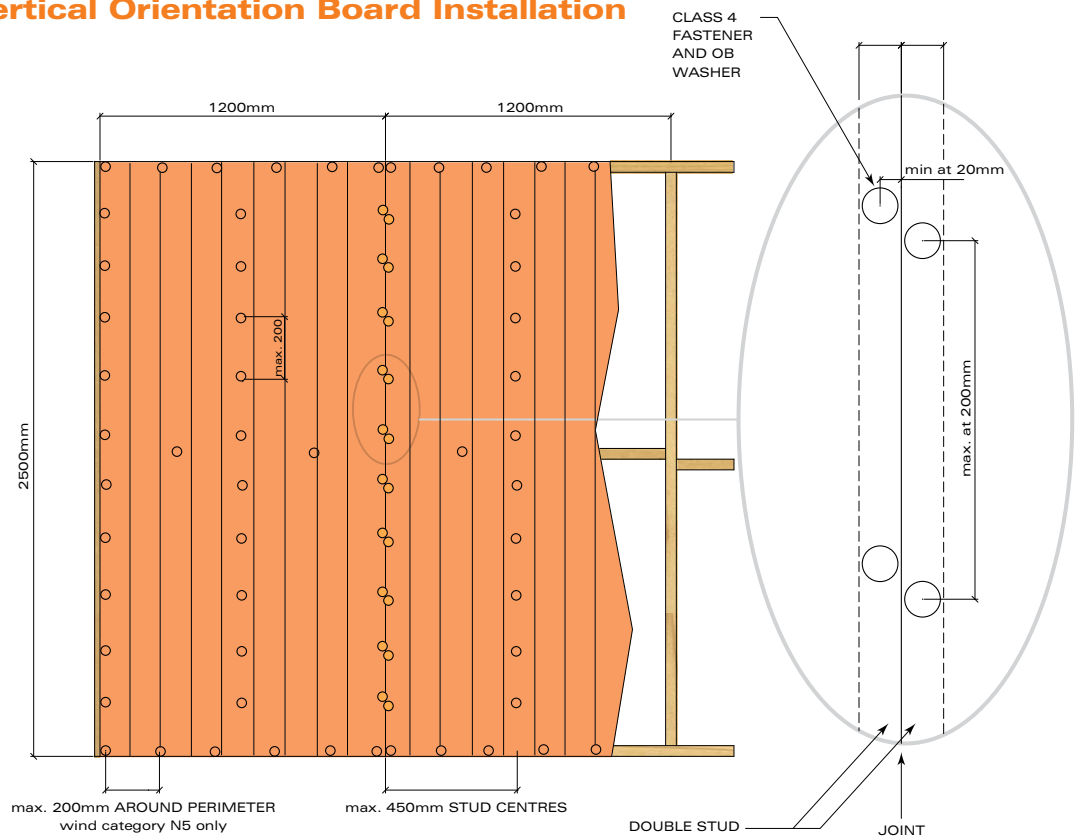
INSTALLATION AND FIXING DETAILS

In Non Cyclonic Wind Regions (A and B) Wind Categories N1 to N3 - Vertical Orientation Board Installation



INSTALLATION AND FIXING DETAILS

In Non Cyclonic Wind Regions (A and B) Wind Categories N4 and N5 - Vertical Orientation Board Installation

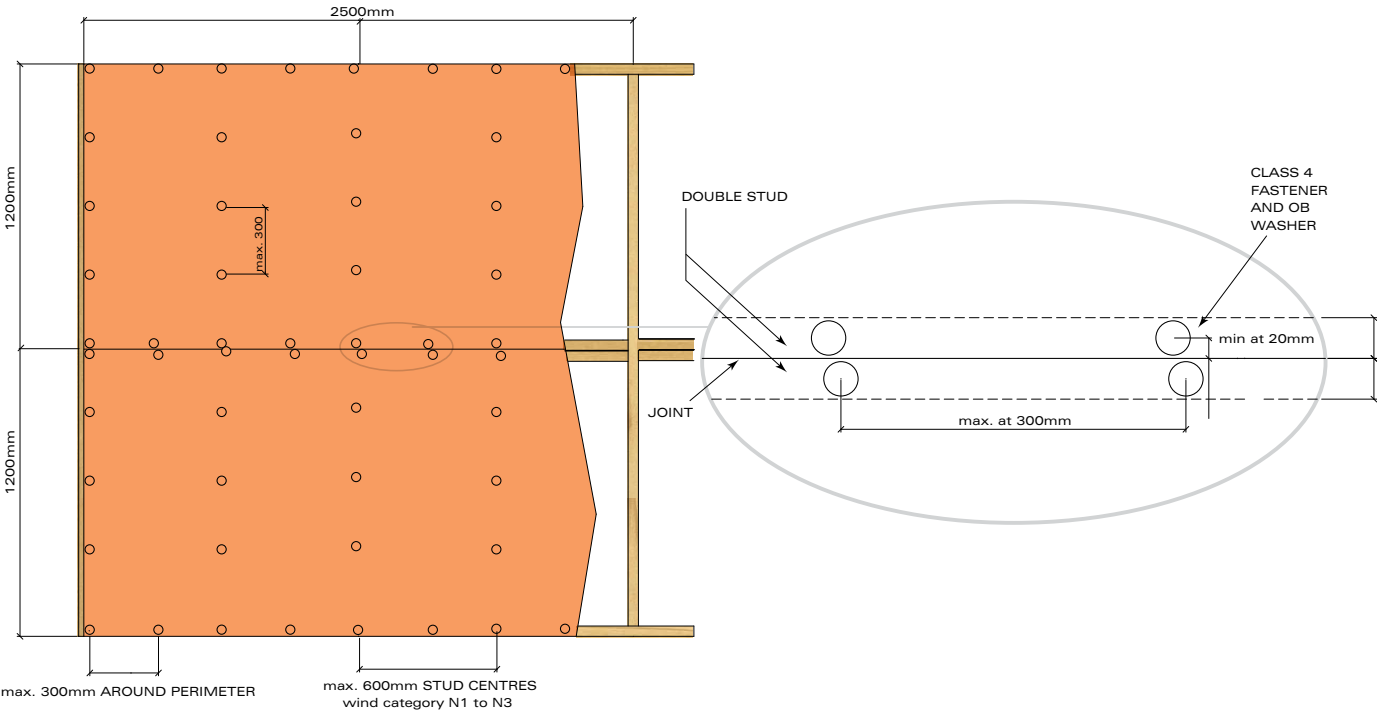


Please refer to page X Table 2 Minimum stud and fastener spacing for non cyclonic wind regions and categories.

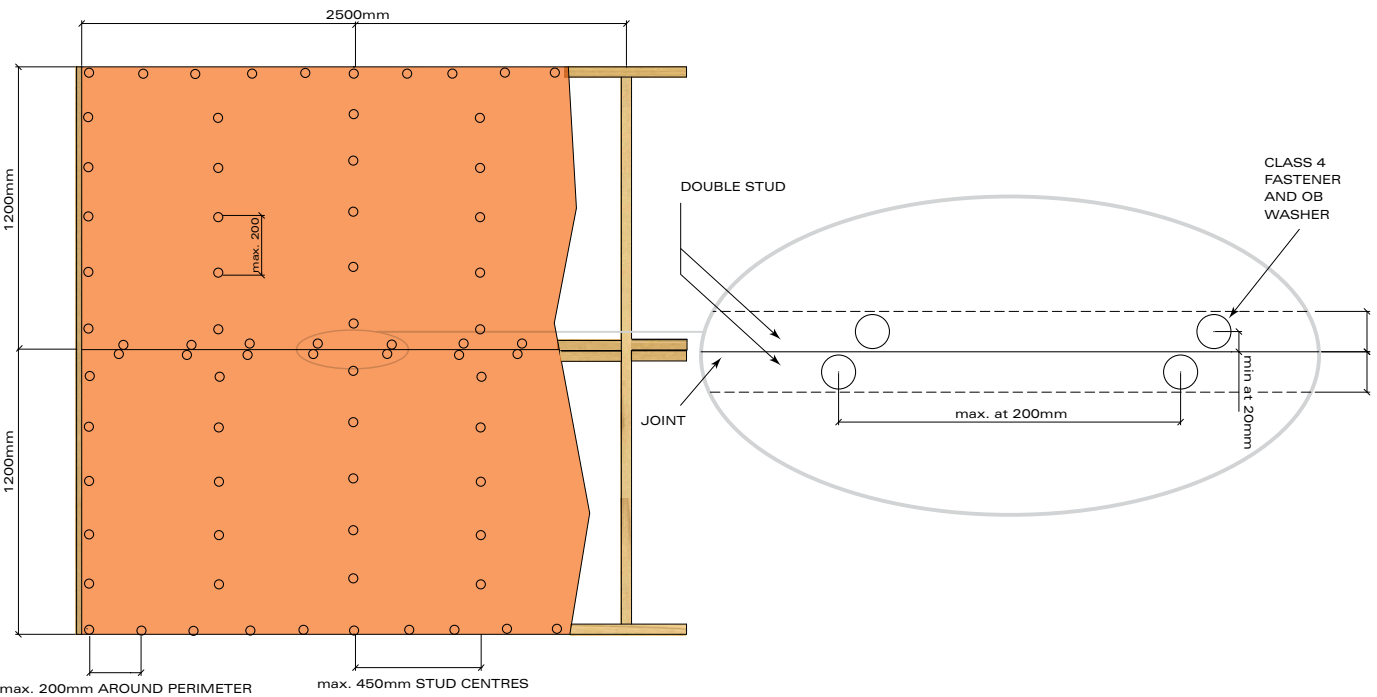
NOTE: DRAWINGS NOT TO SCALE

INSTALLATION AND FIXING DETAILS

In Non Cyclonic Wind Regions (A and B) - Wind Categories N1 to N3  
Horizontal Orientation Board Installation



In Non Cyclonic Wind Regions (A and B) - Wind Categories N4 and N5  
Horizontal Orientation Board Installation

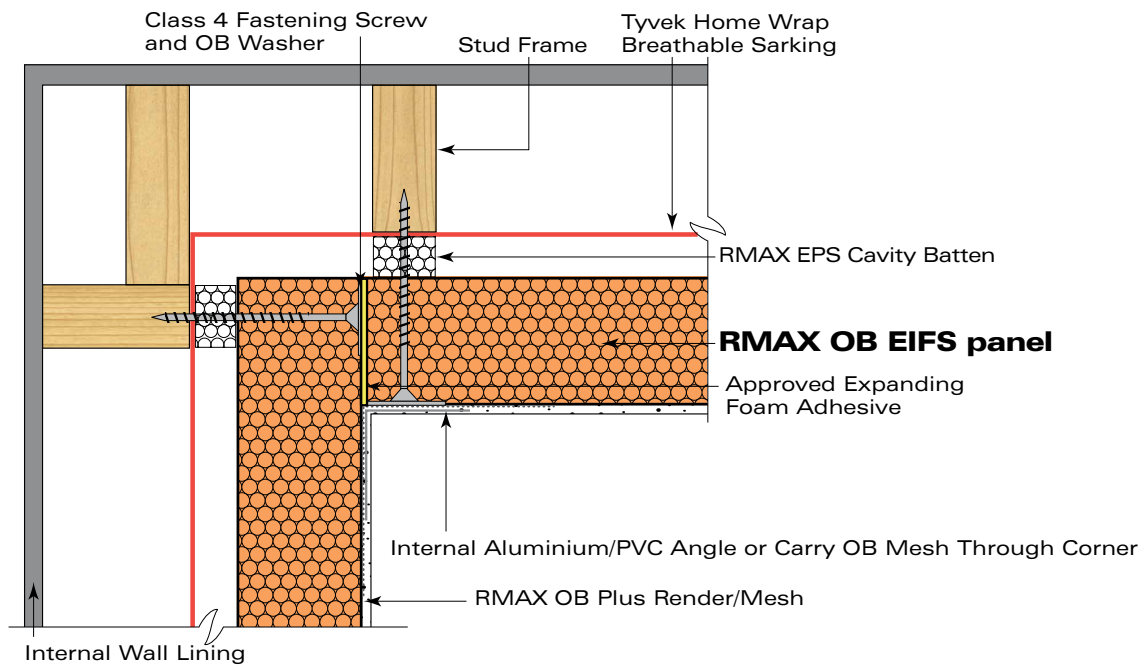


Please refer to page 8 Table 2 Minimum stud and fastener spacing for non cyclonic wind regions and categories.

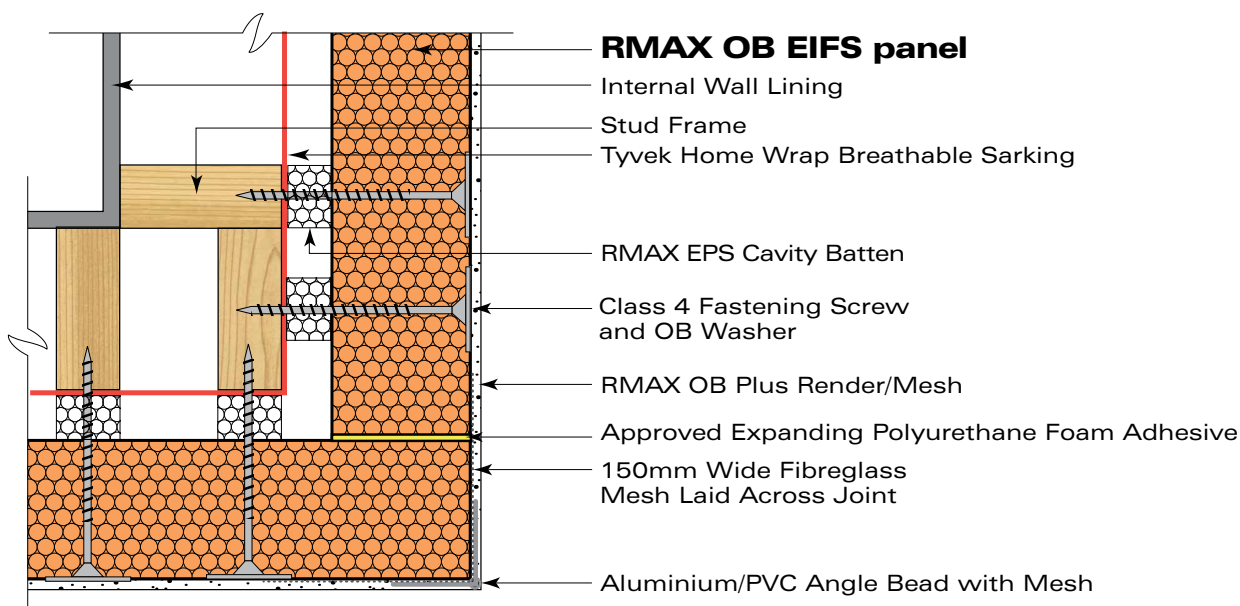
NOTE: DRAWINGS NOT TO SCALE

INSTALLATION AND FIXING DETAILS

Corner Details



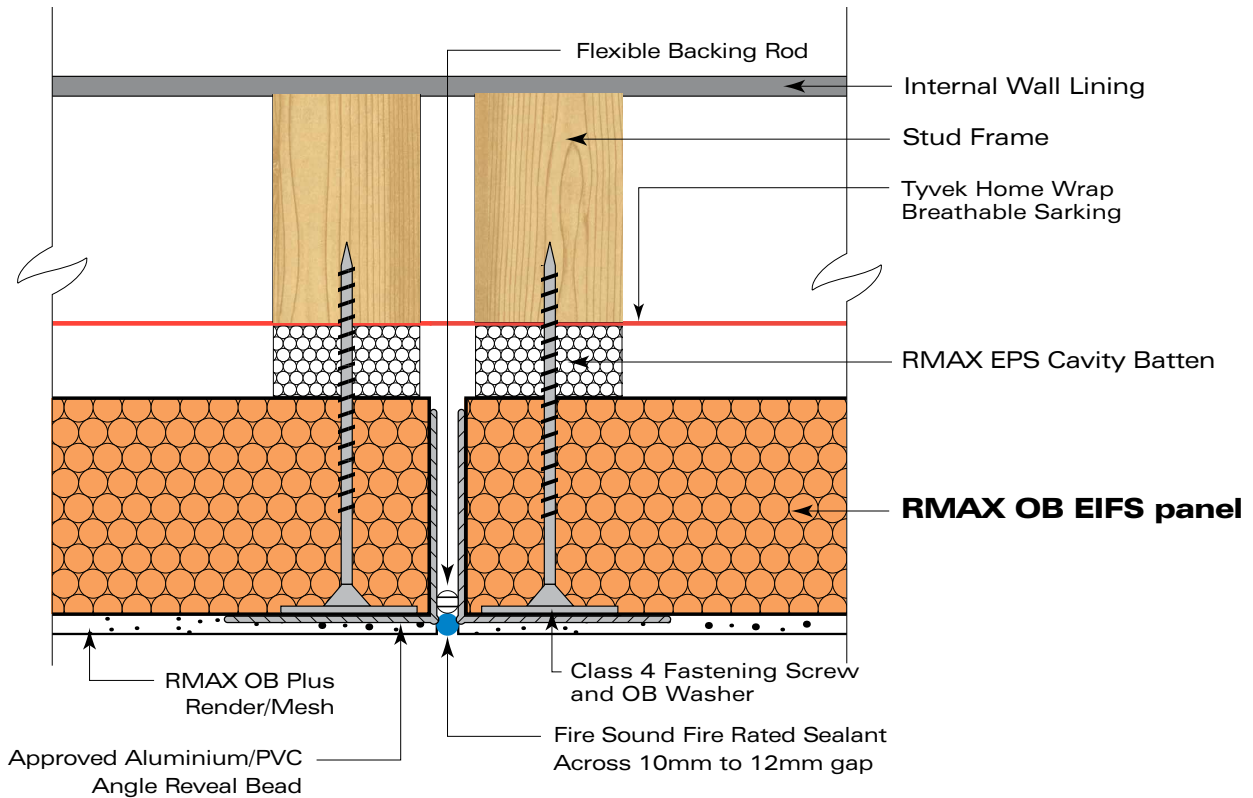
Internal Corner Detail



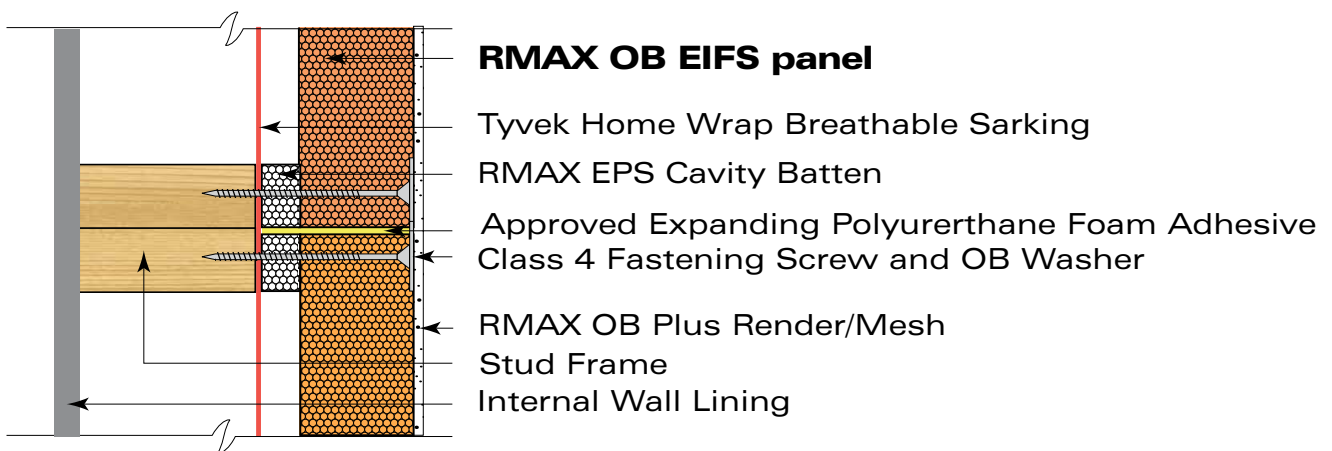
External Corner Detail

NOTE: DRAWINGS NOT TO SCALE

## INSTALLATION AND FIXING DETAILS



## Expansion (Control) Joint Detail

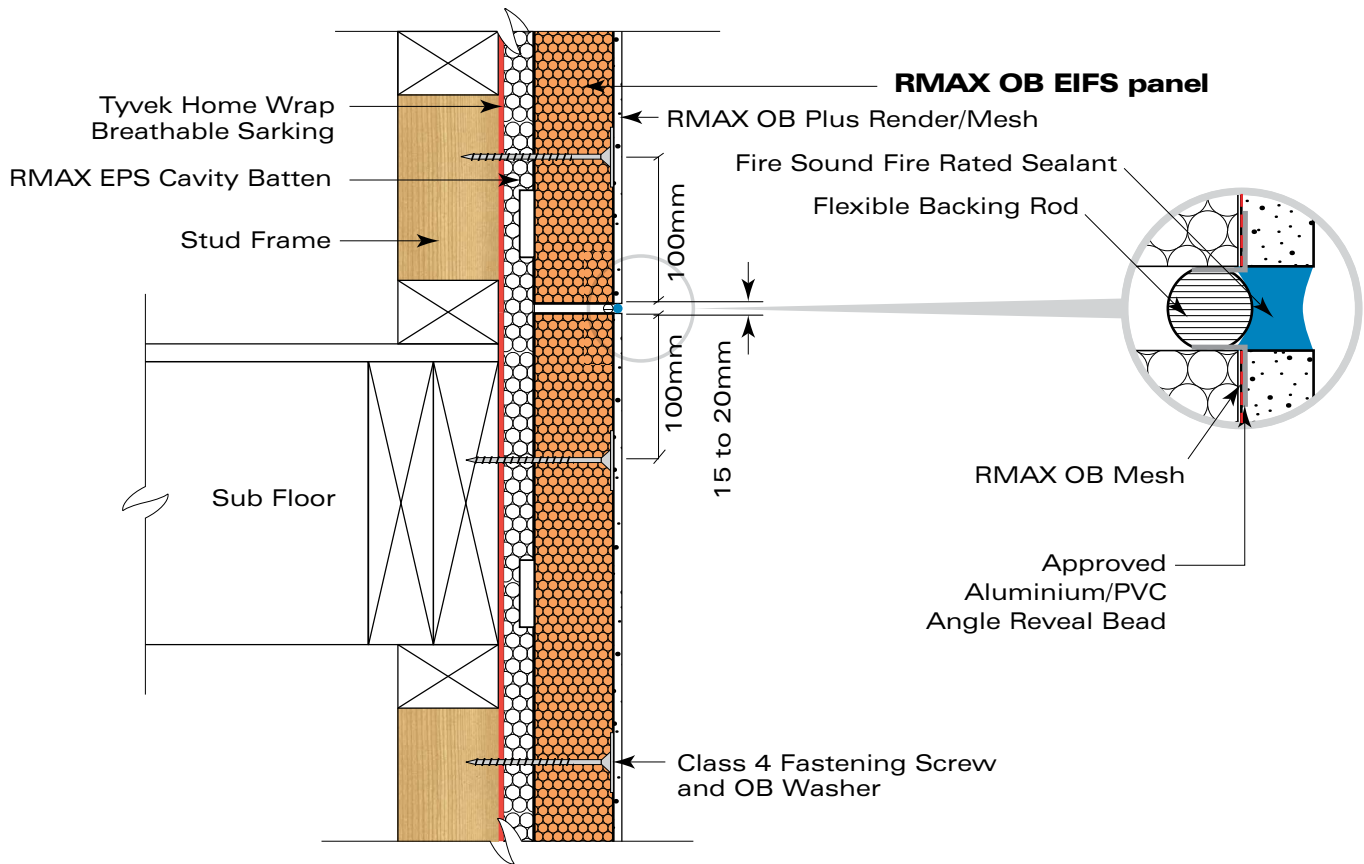


## Panel Joint Detail

**NOTE: DRAWINGS NOT TO SCALE**



## INSTALLATION AND FIXING DETAILS



## Horizontal Control Joint Detail

### Expansion (Control) Joints

Prior to installation of the RMAX Batten Cavity EIFS Cladding Panels to the stud frame, determine expansion joint placement by consulting with a Design Engineer to calculate the deformation / stress due to soil / structure movement, deflection due to load bearing on roofing structures and to specify location of expansion/control joints.

**Placement Guide: The following is a guide only and does not negate the user's responsibility to consult a Design Engineer.**

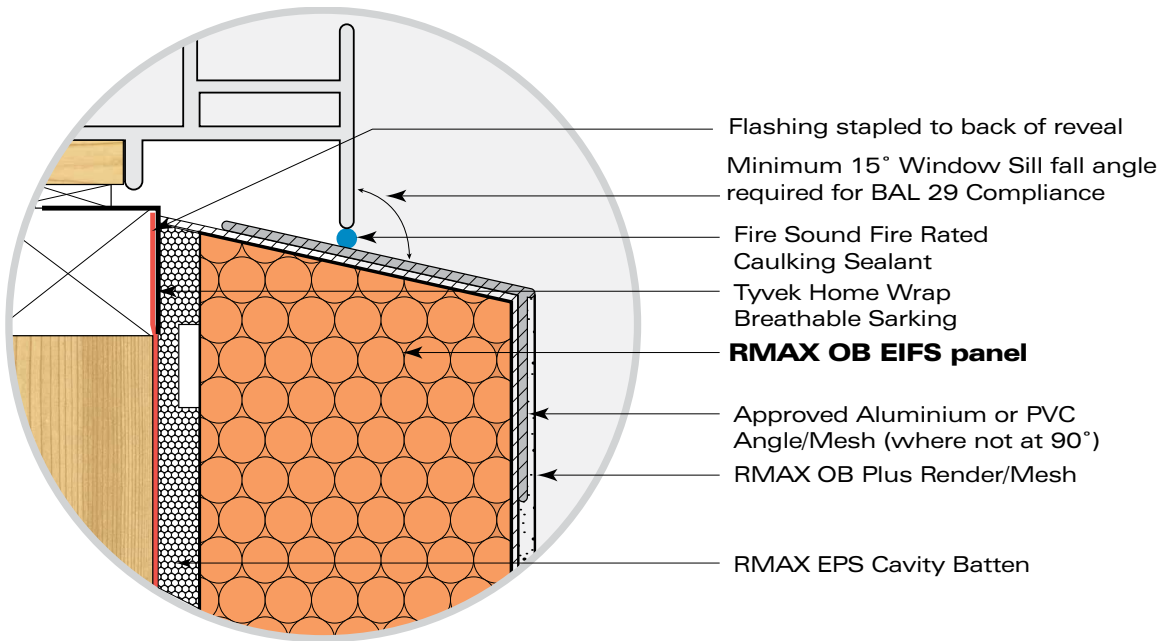
In line with good building practice, placement of vertical expansion joints should not exceed 5 metres where the wall length is greater than 8 metres. Joints should be placed to align with large door and window openings and internal corners. Double studs are necessary at all vertical expansion joints.

**Vertical expansion (control) joints must be continuous across all panels. i.e They must be continuous from the top of the wall to the bottom of the wall and must cut across the OB EIFS Panel and Starter Channel.**

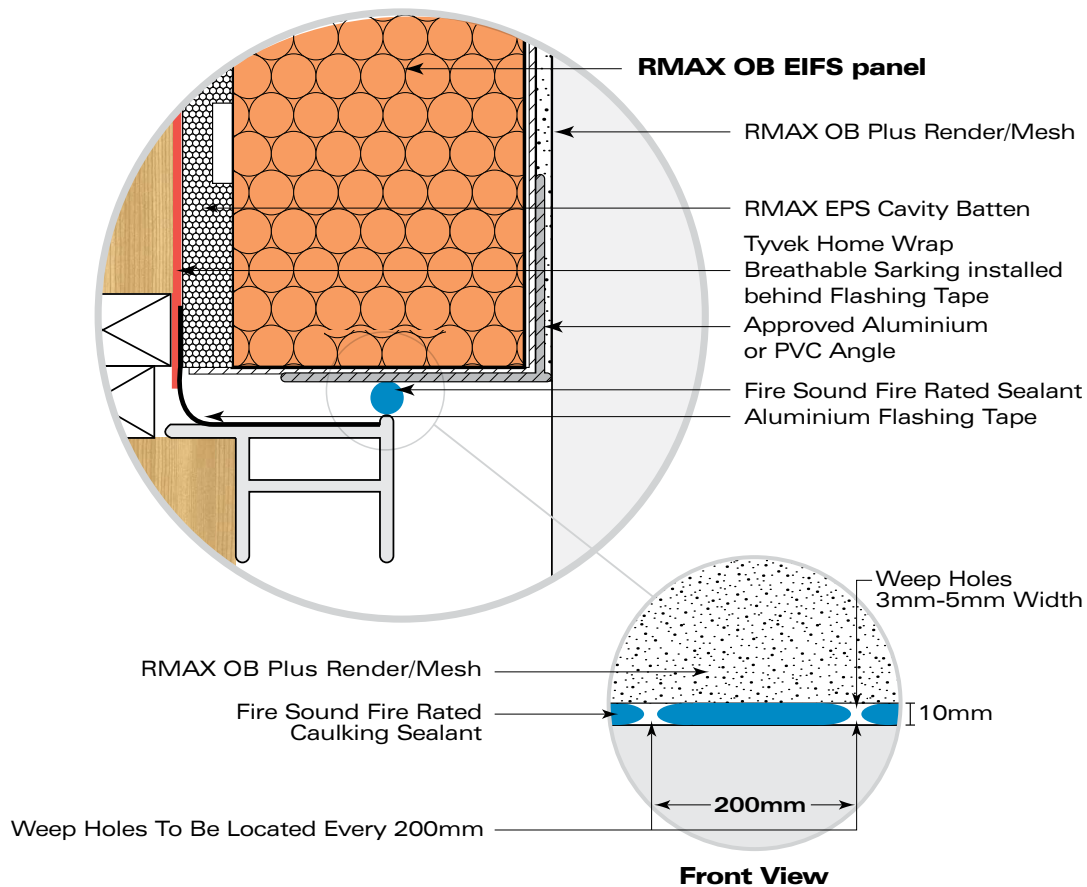
Spacing of horizontal expansion joints should not exceed 3 metres.

**Expansion joints must occur where any of the RMAX EIFS Cladding Product Range of panels meet other substrates / cladding materials.**

INSTALLATION AND FIXING DETAILS



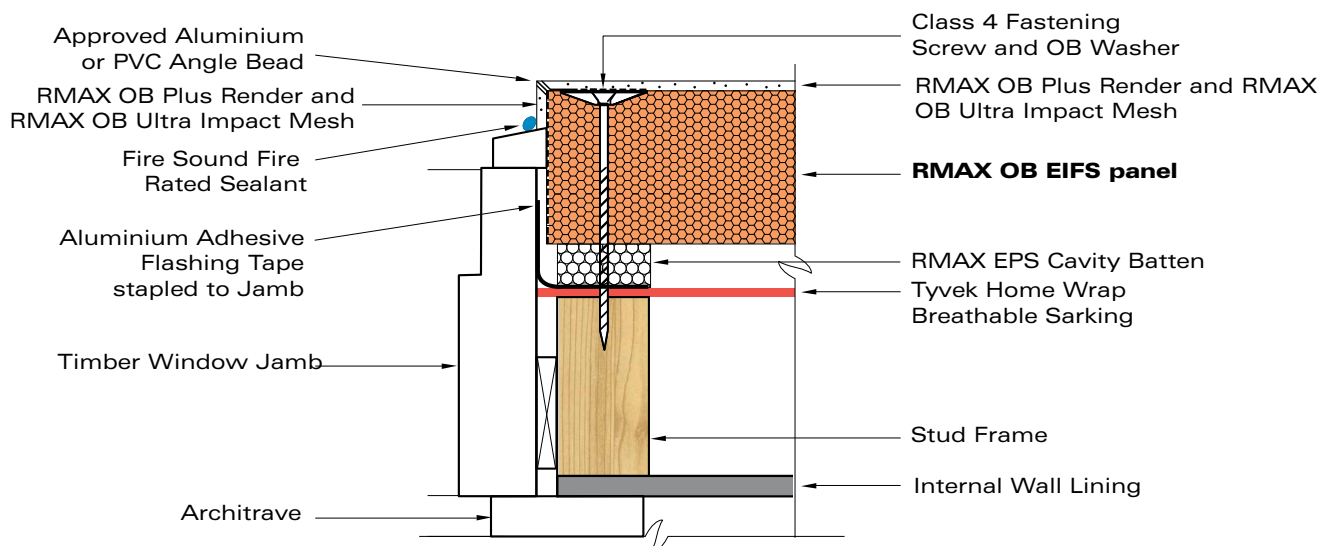
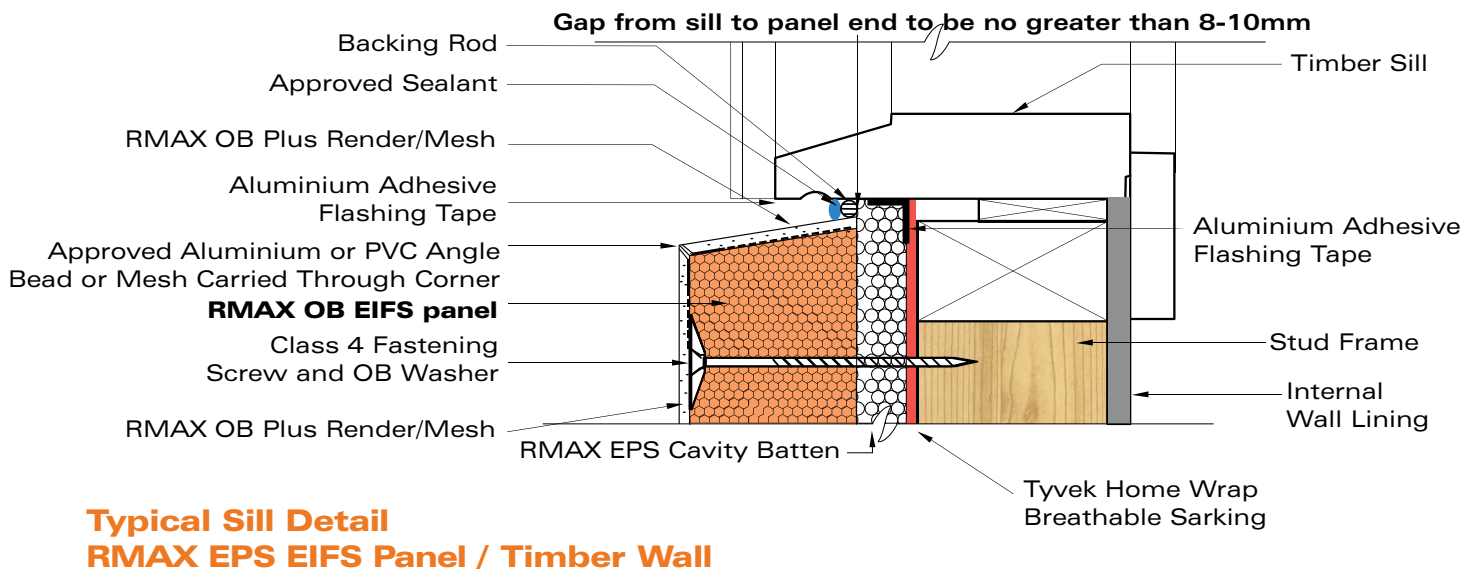
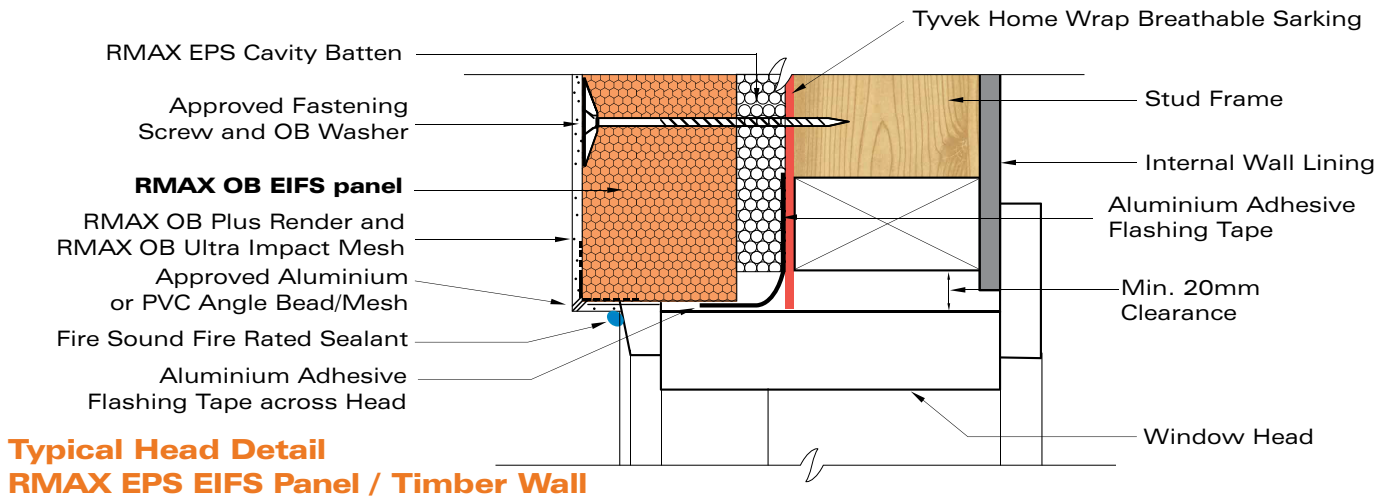
Window Sill Detail



Window Head Detail

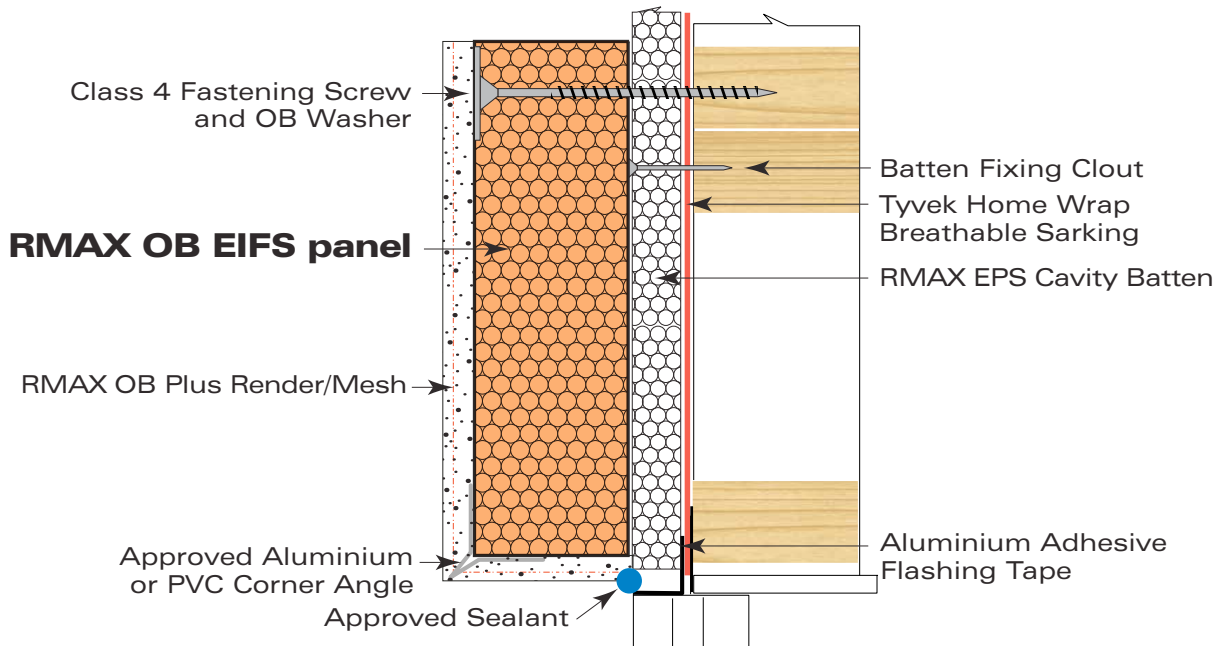
NOTE: DRAWINGS NOT TO SCALE

## INSTALLATION AND FIXING DETAILS

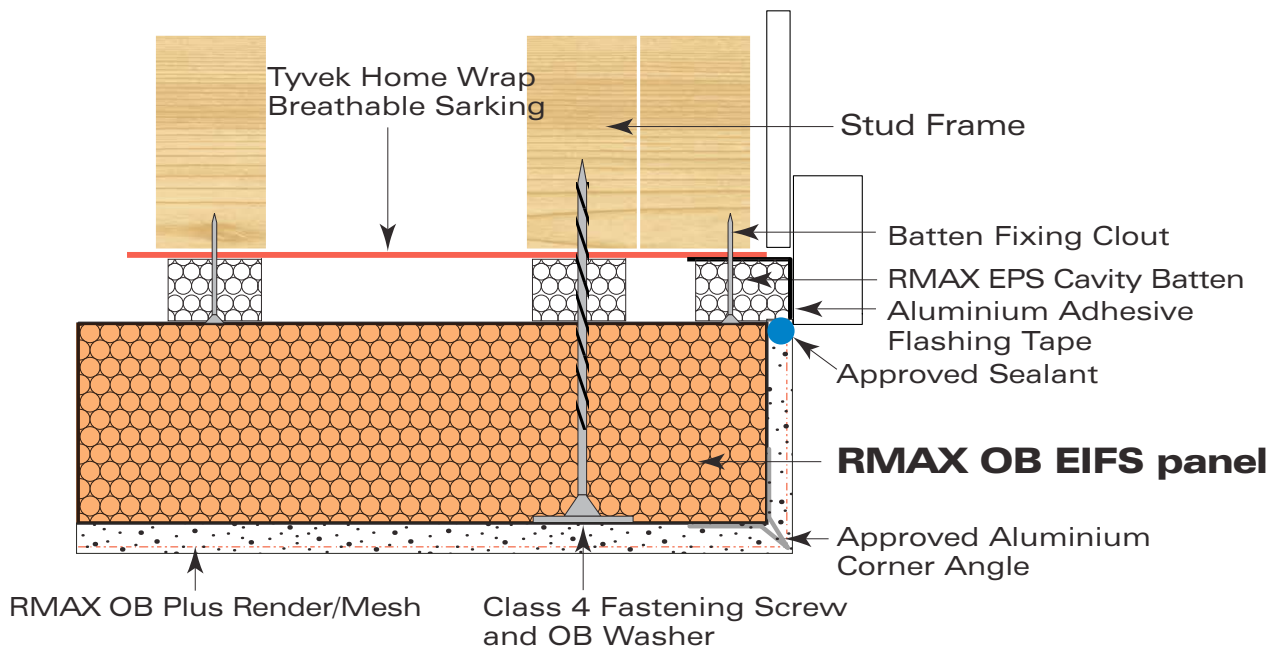


**NOTE: DRAWINGS NOT TO SCALE**

## INSTALLATION AND FIXING DETAILS



### Door Head Detail

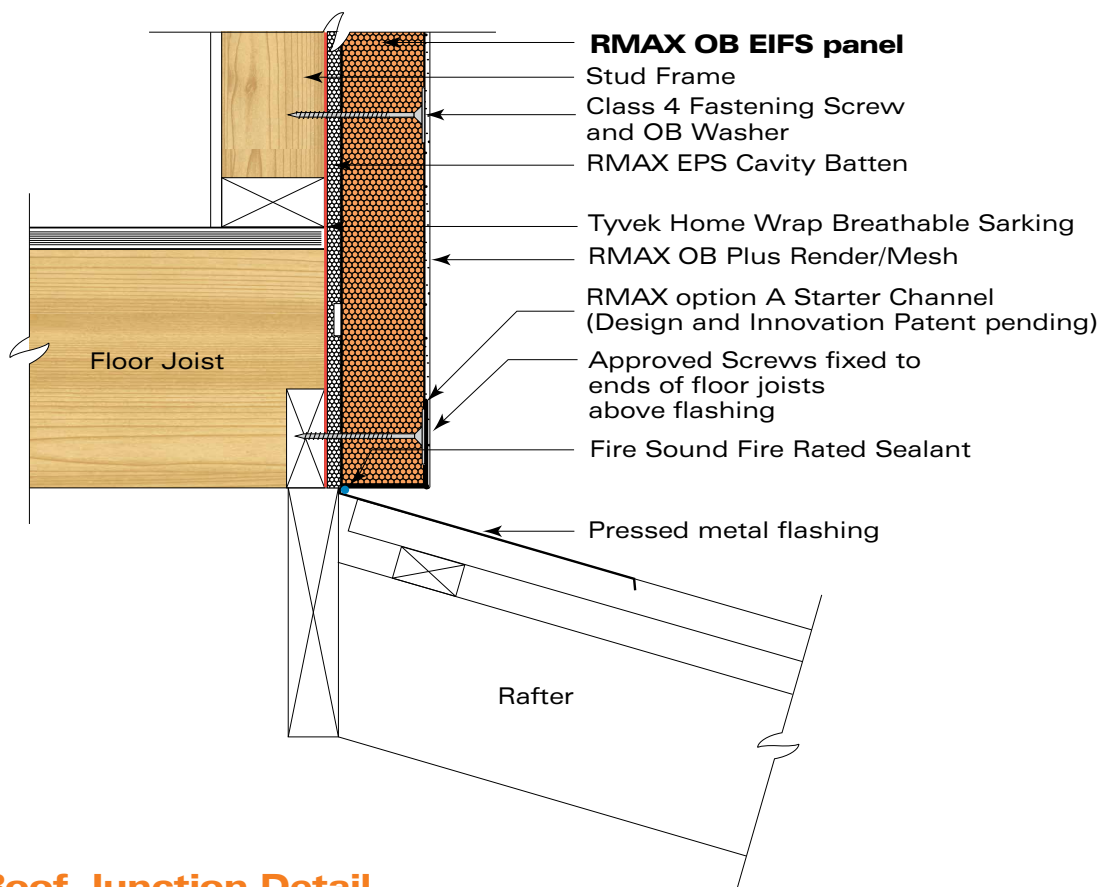


### Door Jamb Detail

**NOTE: DRAWINGS NOT TO SCALE**



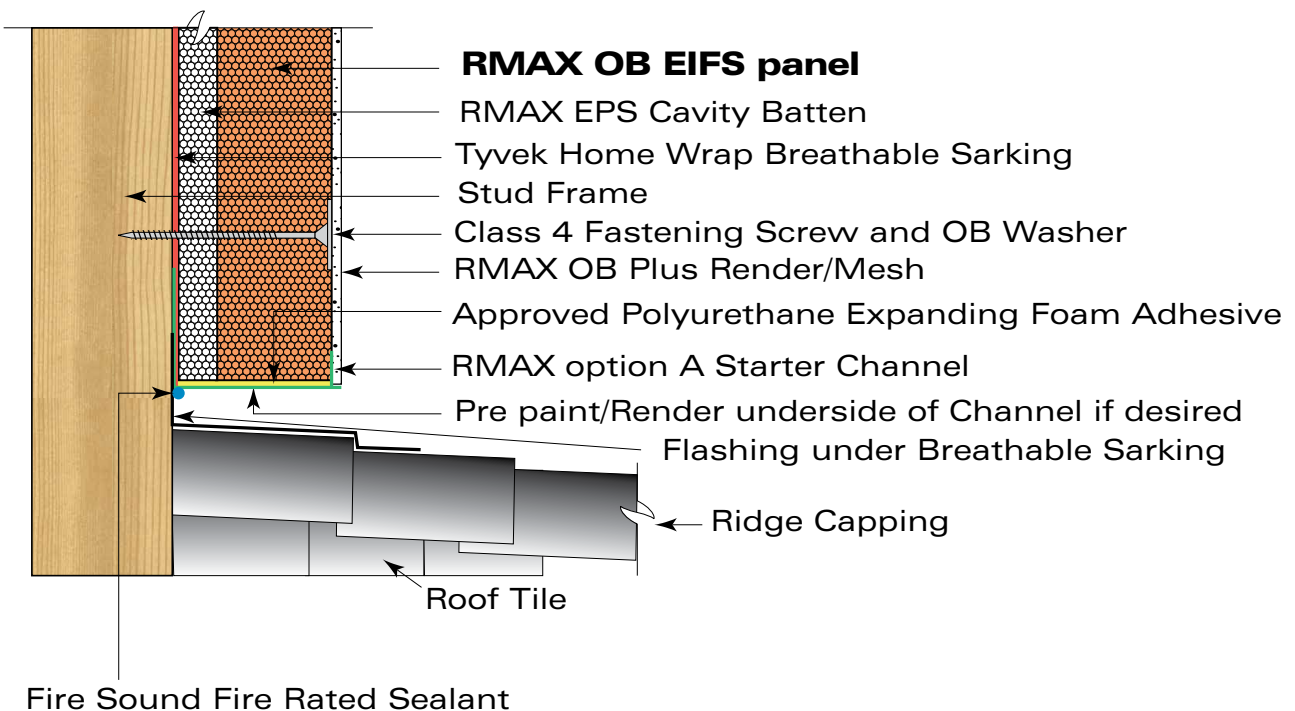
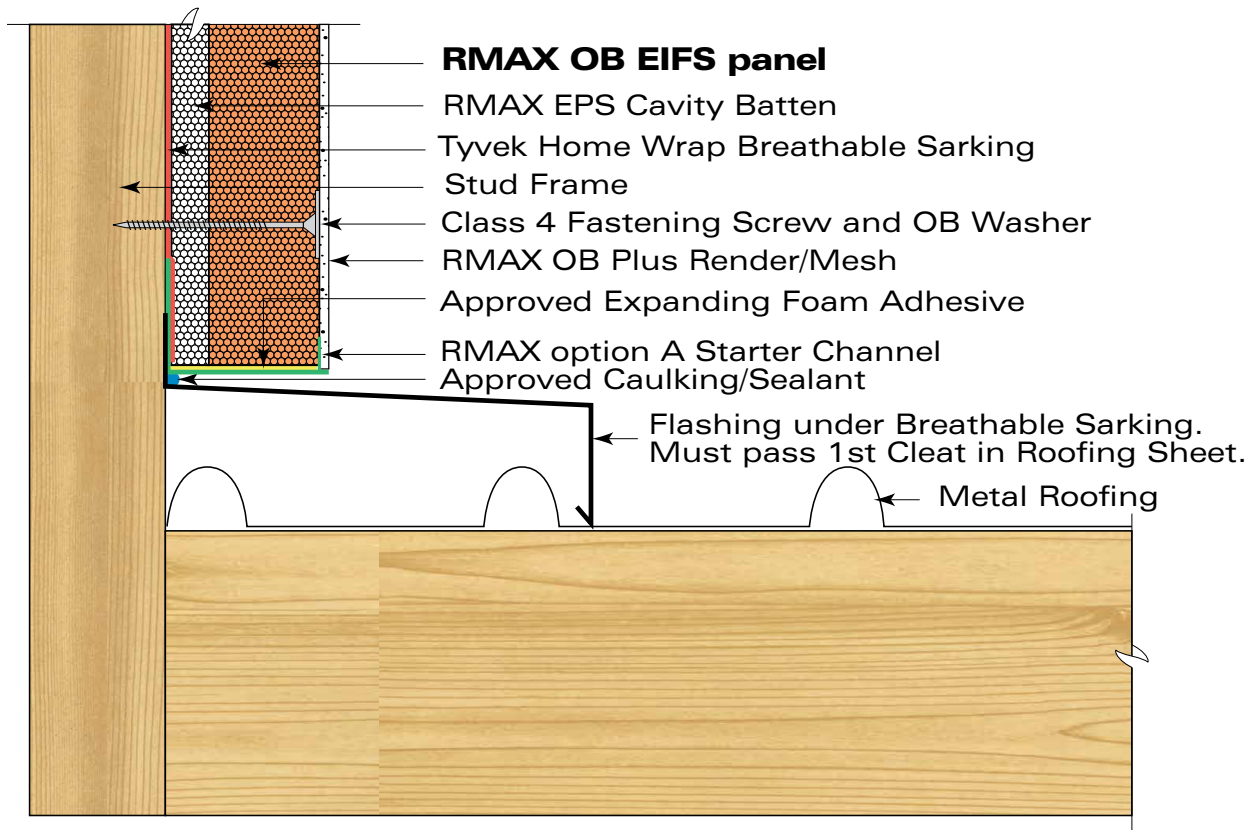
INSTALLATION AND FIXING DETAILS



Roof Junction Detail

NOTE: DRAWINGS NOT TO SCALE

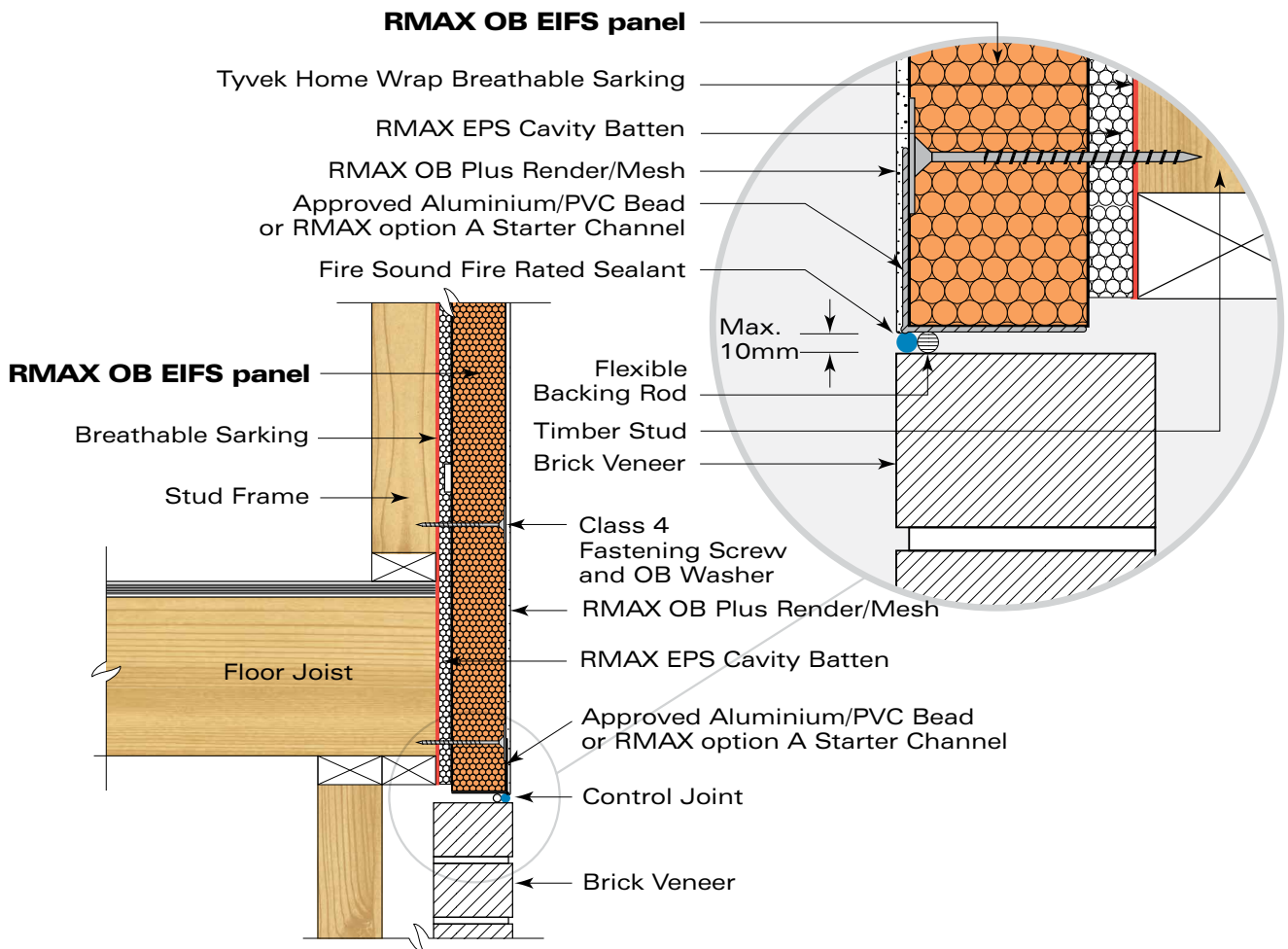
## INSTALLATION AND FIXING DETAILS



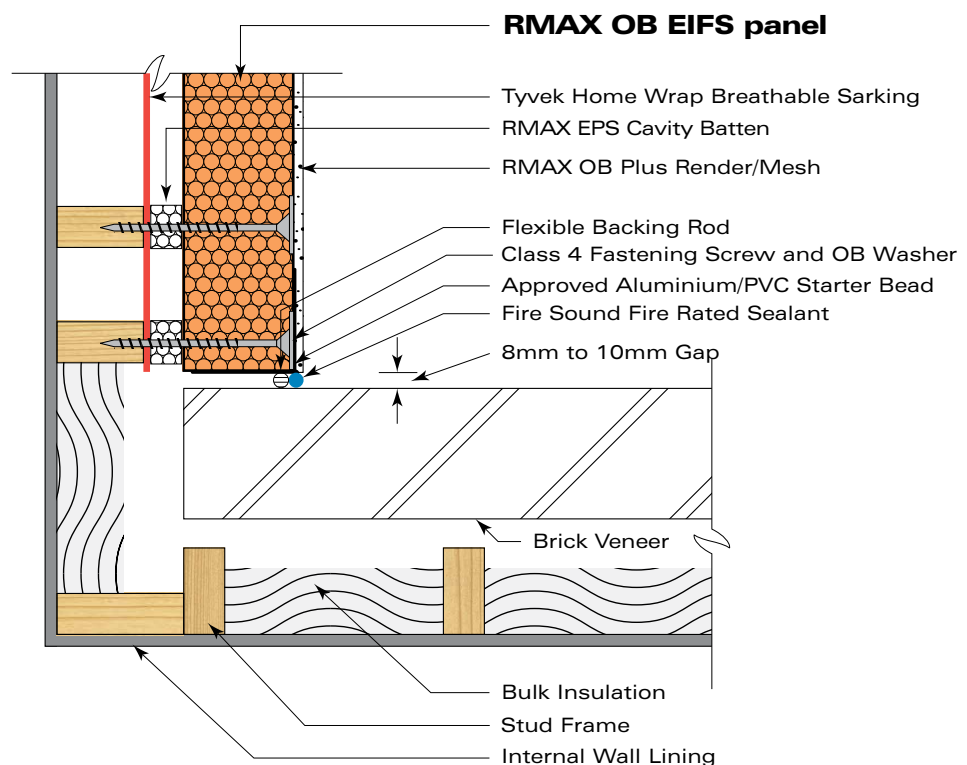
### Over Roof Detail - Ridge Capping

**NOTE: DRAWINGS NOT TO SCALE**

## INSTALLATION AND FIXING DETAILS



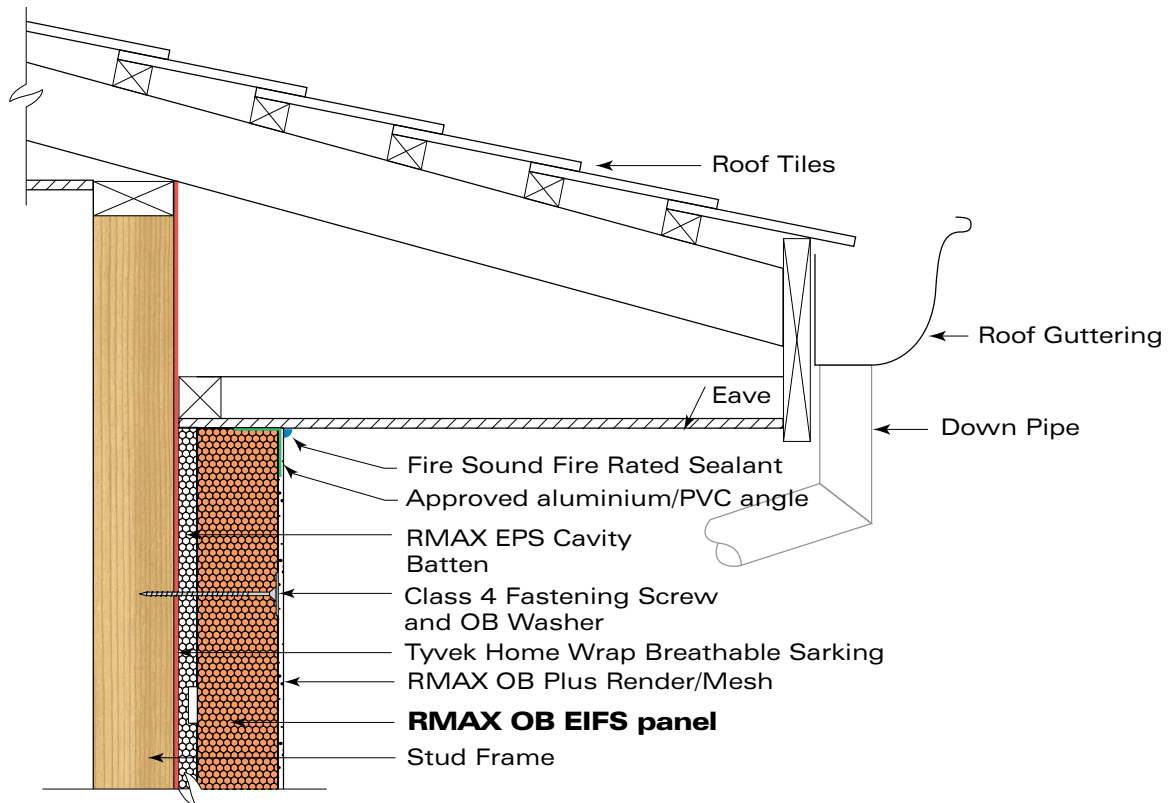
### Brick Veneer Junction Detail



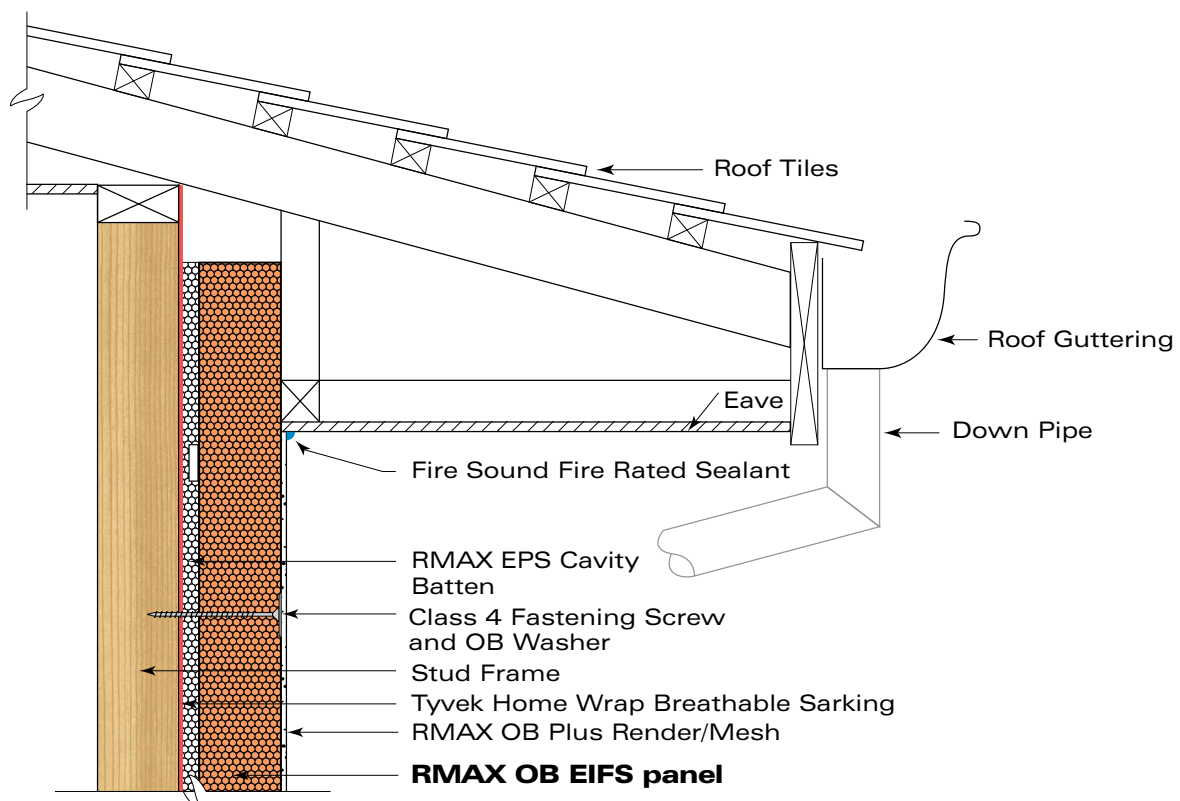
### Cladding to Brick Detail - Internal Corner

**NOTE: DRAWINGS NOT TO SCALE**

## INSTALLATION AND FIXING DETAILS



### Eave Detail - Type 1

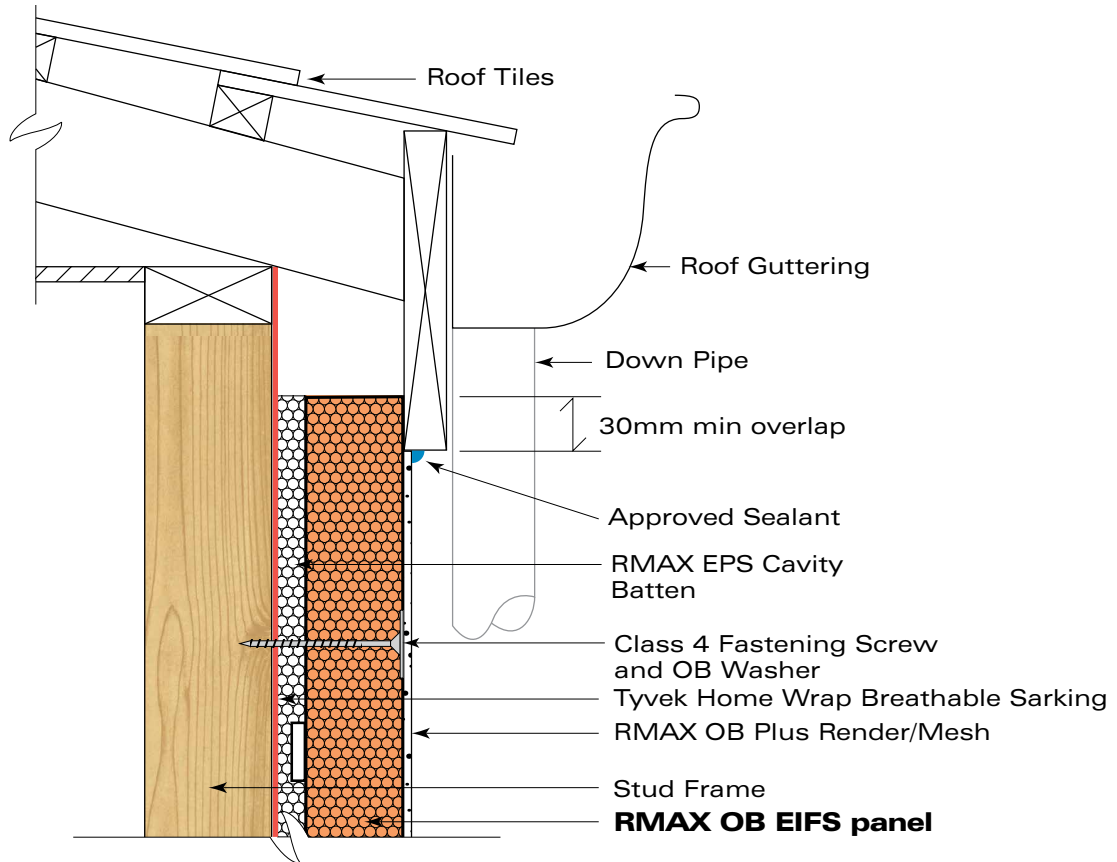


### Eave Detail - Type 2

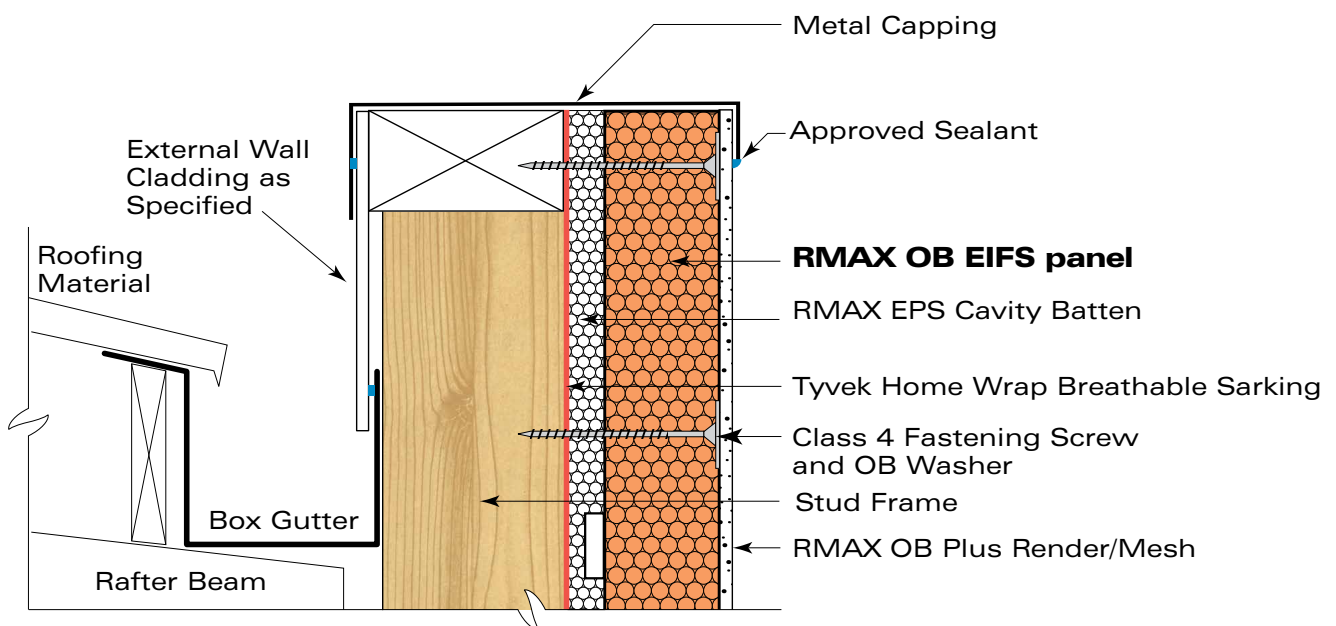
**NOTE: DRAWINGS NOT TO SCALE**



## INSTALLATION AND FIXING DETAILS



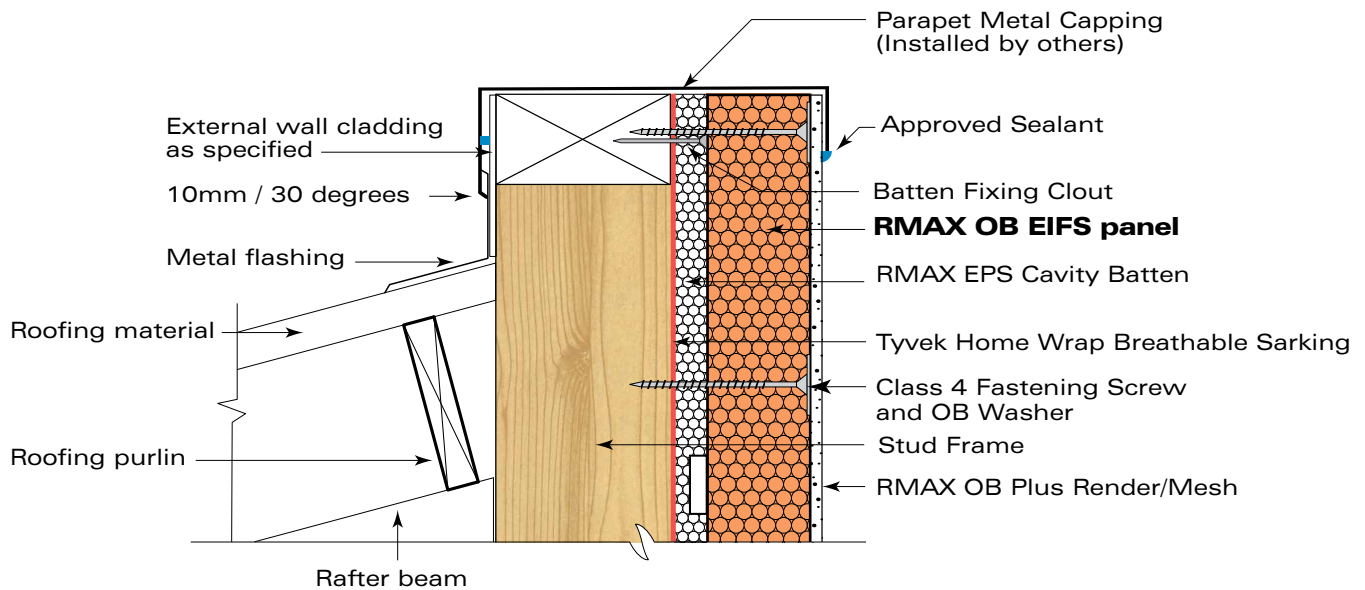
### Flush Eave Detail



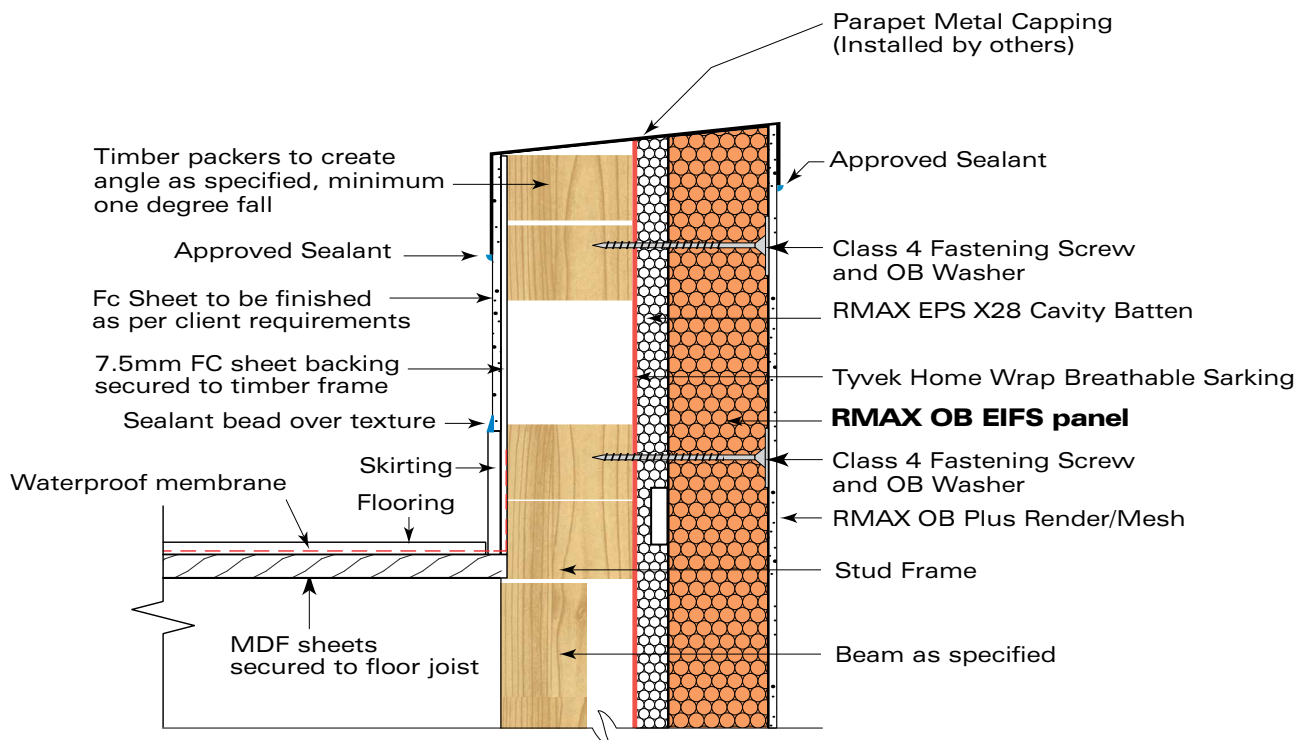
### Parapet Detail

**NOTE: DRAWINGS NOT TO SCALE**

## INSTALLATION AND FIXING DETAILS



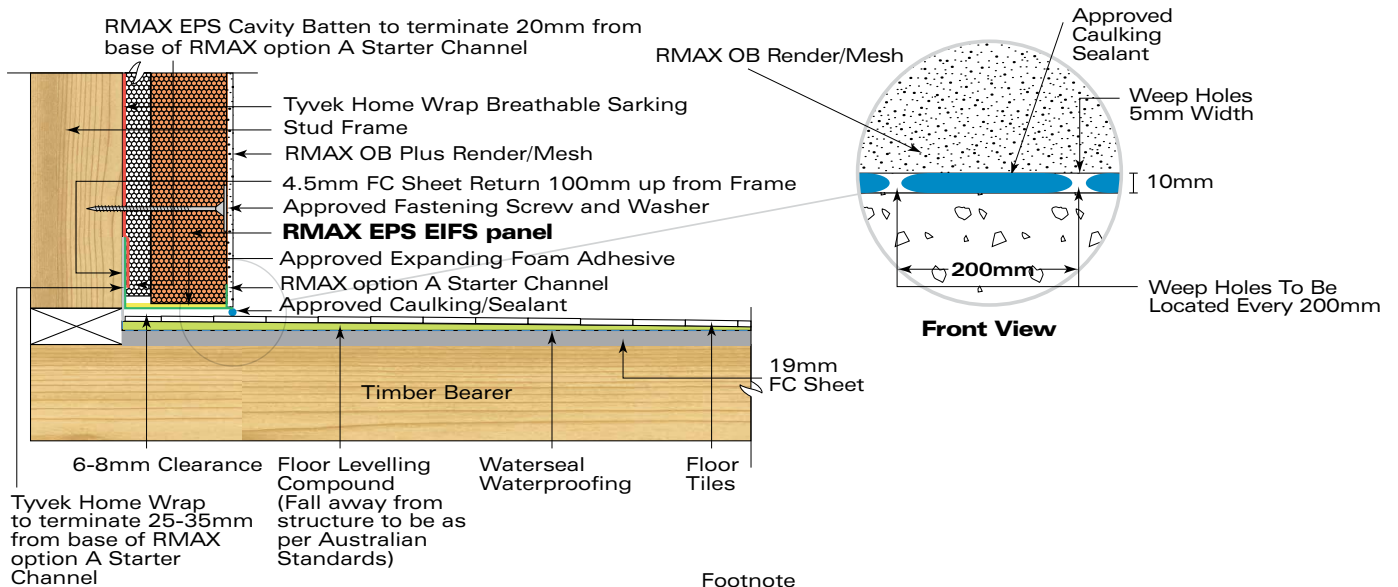
### Metal Capping Parapet Detail



### Balustrade Wall Detail

**NOTE: DRAWINGS NOT TO SCALE**

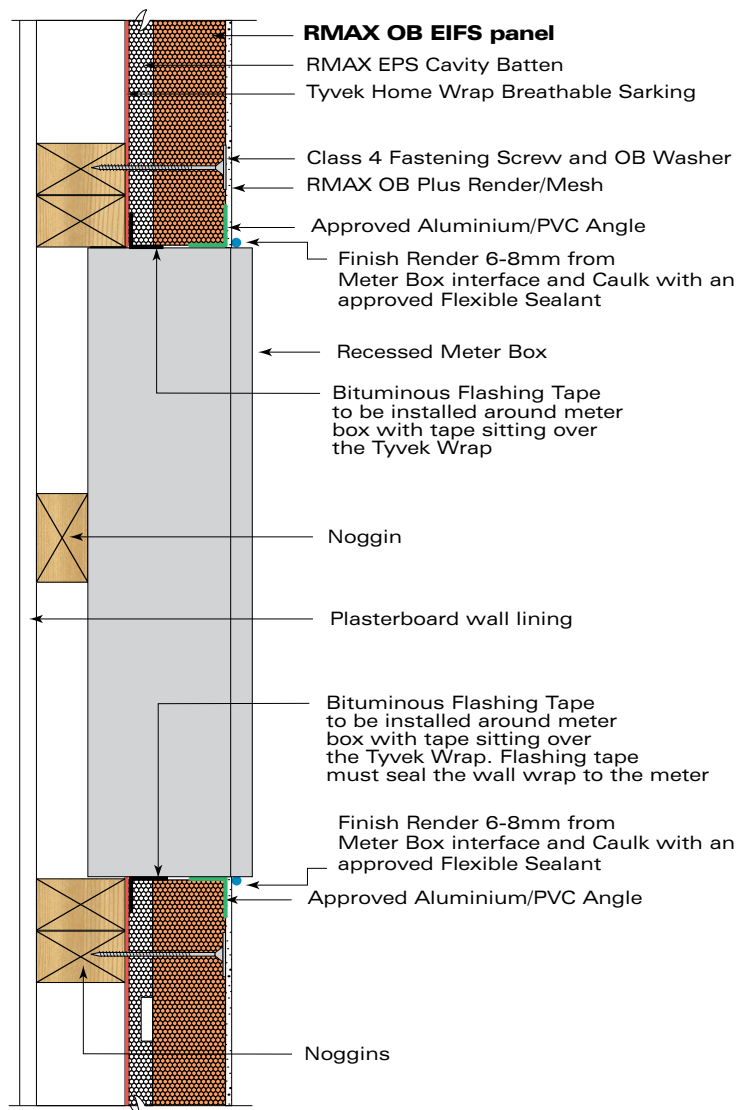
## INSTALLATION AND FIXING DETAILS



### Footnote

- Tiles need to run through to base plate of horizontal wall.
- Panel (Vertical) needs to be lifted 10mm above tiles and caulked (inclusive of weep holes) as per Australian Standards.

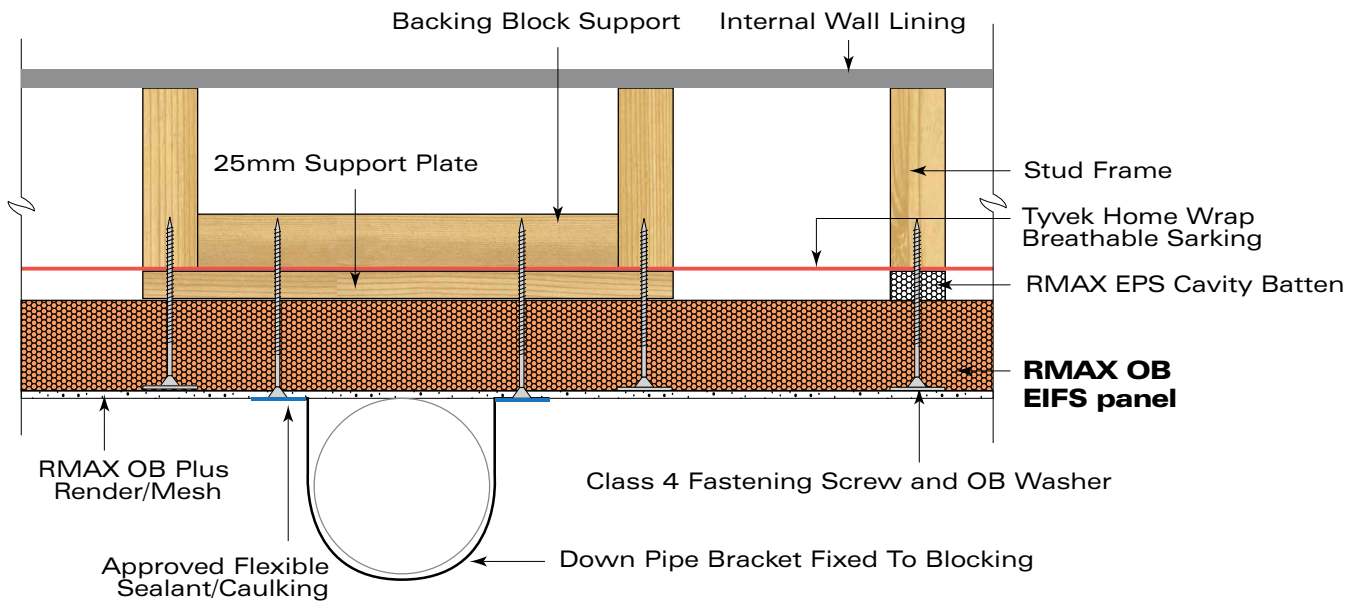
## Alfresco/Balcony Floor With Cavity Detail



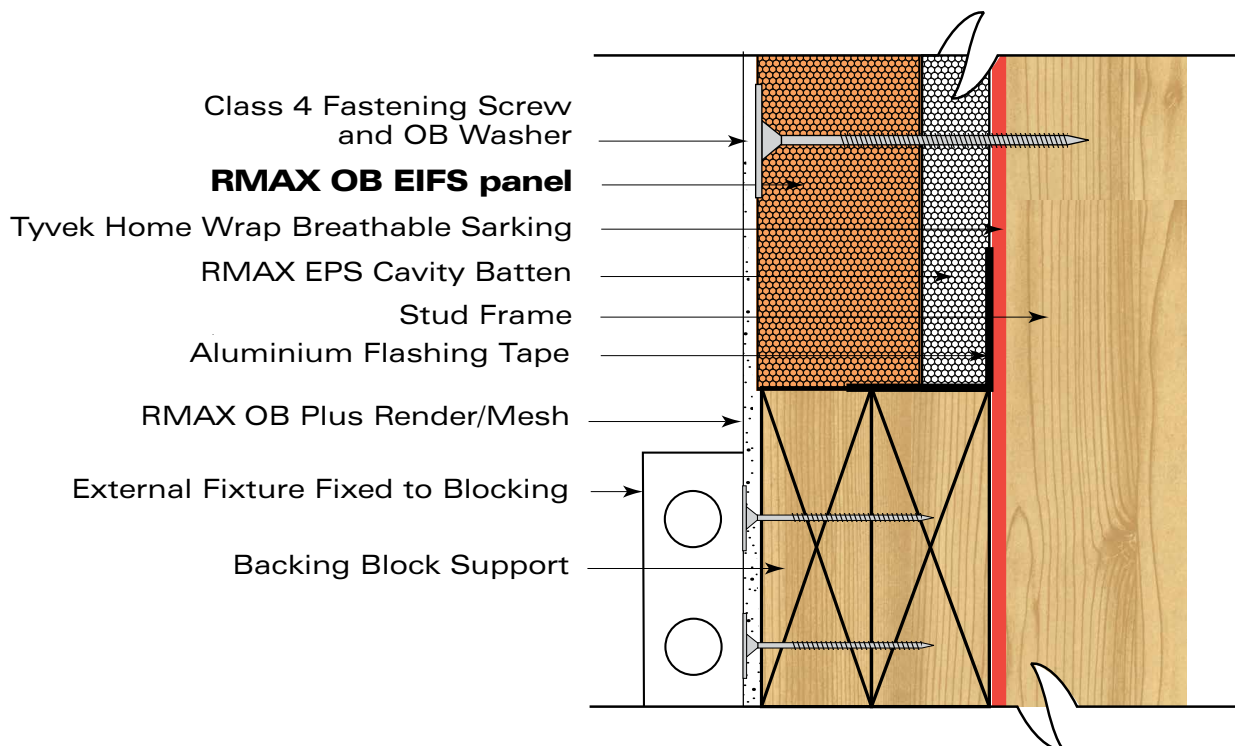
## Meter Box Penetration Detail

**NOTE: DRAWINGS NOT TO SCALE**

## INSTALLATION AND FIXING DETAILS



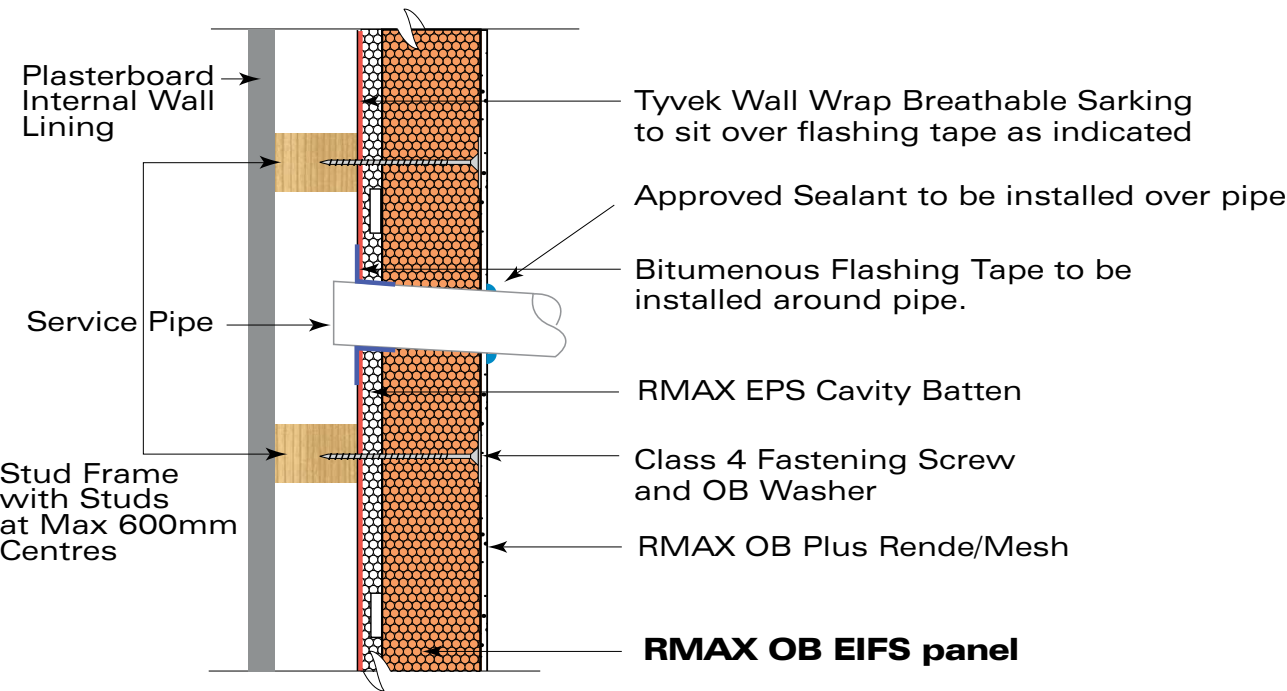
### Down Pipe Fixture Detail



### External Penetration Fixture Detail



INSTALLATION AND FIXING DETAILS



Wall Penetration Detail

## GENERAL INFORMATION

### Warranty

RMAX, a division of Huntsman Chemical Company Australia Pty. Ltd. is the manufacturer of the RMAX Batten Cavity EIFS Cladding Product Range.

#### RMAX Batten Cavity EIFS Cladding Product Range Warranty Conditions

1. RMAX warrants that the RMAX Batten Cavity EIFS Cladding range of products are free from defects caused by faulty manufacture or faulty materials for a period of 10 years from the date of sale to the purchaser.
2. This warranty is a material only replacement warranty where there is a defect in manufacture. This warranty only applies where the product is applied correctly by a skilled and experienced installer in accordance with all current installation recommendations as per the RMAX Batten Cavity EIFS Cladding product range Technical Data Manual, including but not limited to, frame and fastener details, installation and fixing details and installation guidelines.
3. In case of Goods "RMAX Batten Cavity EIFS Cladding System Product Range" no claim maybe made where:  
The Goods have not been installed in accordance with sellers published installation guidelines.
4. To make a warranty claim the customer must provide the following:
  - (a) The details of the items purchased (application dates and quantities must be recorded and supplied as a minimum to commence potential product failure investigation).
  - (b) The date and location of purchase.
  - (c) A description of the fault observed with the product, providing photographs and samples if possible.
  - (d) Contact details of the customer.
5. The above information can be provided by:
  - (i) Mail: RMAX Sales, 2-4 Mephan St, Maribyrnong, VIC 3032;
  - (ii) Email: sales@rmax.com.au; or
  - (iii) Fax: 03 9317 7888;
6. Unless otherwise agreed to in writing by RMAX, the Buyer shall bear the expense of claiming the warranty.
7. RMAX provides no warranty, expressed or implied, against damage due to movement of the substrate or structure.
8. Whilst RMAX takes every care to ensure that any impurities in the product are eliminated at the time of manufacture, components of the product may occasionally result in minor visual blemishes. RMAX shall not be liable for any such blemishes.

9. Where the Buyer is a consumer under the Competition and Consumer Act 2010, the benefits given under this warranty are in addition to the statutory rights and remedies available to the 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.
10. To the full extent permitted by law the liability of RMAX for any defect or a breach of the Purchaser's statutory rights is limited solely to any one or more of the following as determined by RMAX in its sole discretion, namely:
  - (i) The supply of replacement products or similar products.
  - (ii) the repair of the products; or
  - (iii) the costs of replacement or repair of the products.
11. Except as expressly provided in this warranty, to the full extent permitted by law, RMAX will in no circumstances be liable for any loss or damage, whether direct or indirect (including consequential loss, economic or financial loss) to persons or property howsoever arising and whether from any defect in or unsuitability of a product or from negligence on the part of RMAX or any of its servants, contractors or agents. In particular, RMAX will not be responsible for any loss or damage arising from normal wear and tear, weather conditions, any act of God, poor installation or rendering or caused by wildlife or organisms. RMAX is not, and will not be, responsible or liable to any person in any manner whatsoever for incorrect fixing, joining, installing, finishing and / or rendering by any person.

### Disclaimer

The information contained in this technical manual is presented as a guide to users of the RMAX Batten Cavity EIFS Cladding range of products, and while to the best of RMAX's knowledge it is correct and reliable, RMAX shall not be liable for defects associated with incorrect use of RMAX Batten Cavity EIFS Cladding range of products, misuse, wilful damage, neglect, accidental damage, or any modifications or alterations to any of the range of RMAX Batten Cavity EIFS Cladding Products.

## REFERENCED DOCUMENTS AND INFORMATION

### Referenced Documents / Images

1. Applied Acoustics Laboratory  
RMIT University School of Electrical and Computer Engineering  
Melbourne, Victoria 3000, Australia  
NATA Accreditation Number 1421  
Report on the Determination of Airborne Sound Transmission loss in One Third Octave Bands and Weighted sound reduction Index (Rw) of RMAX 75mm Orange Board M Grade Wall with Orange Board render on the external face, sarking and 10mm plasterboard on the internal wall face.  
Test Report to AS 1191 – 2002 Full Wall System.  
Test report Number 1211/11-060/JW  
Report issue Date 17/3/2011.
2. AWTa Product Testing.  
AS/NZS 2498.5-1993 Method 5.  
Method of testing Rigid Cellular Plastics.  
Determination of water vapour transmission rate of RMAX M grade OB panel.  
Australian Wool Testing Authority Ltd.  
1st Floor, 191 Racecourse Road,  
Flemington Victoria 3031.  
Test report Number: 19-002198  
Report issue Date: 27/05/2019.
3. AWTa Product Testing.  
AS/NZS 1530.3 -1999 testing  
Methods for fire tests of Building materials, components and structures  
Part 3: Simultaneous determination of Ignitability, Flame propagation, Heat release and Smoke Release of RMAX Isolite Rigid Insulation panel "M Grade "EPS foam panels.  
Australia Wool testing Authority, Ltd.  
1st Floor, 191 Racecourse Road  
Flemington, Victoria 3031.  
AWTa Test Number: 19-001863  
AWTa Test report Issue Date: 15/4/2019
4. AWTa Product Testing.  
AWTa ASTM C518-2017 Testing:  
Steady State Thermal Transmission Properties by means of the Heat Flow Apparatus.  
Testing to M grade RMAX Orange Board EIFS cladding Panel.  
Australia Wool testing Authority, Ltd.  
1st Floor, 191 Racecourse Road  
Flemington, Victoria 3031.  
AWTa Test Number: 19-001866  
AWTa Test report Issue Date: 16/4/2019
5. AWTa Product Testing  
ASTM E96 Determination of Water Vapour transmission Rate of X28 100mm thick panel and M grade 19g/l 75mm thick and 100mm thick panel.  
Australia Wool Testing Authority Ltd,  
1st Floor, 191 Racecourse Road,  
Flemington, Victoria. 3031.  
Test Number 1 X28 grade :18-006352  
Test Report Issue Date: 12/11/18  
Test Number 2 M grade 75mm thick : 19- 002199  
Test Report Issue Date: 20/05/19  
Test Number 3 M grade 100mm thick : 19-002197  
Test Report Issue Date: 20/05/19
6. BRANZ Thermal Resistance testing of RMAX 28 g/l Isolite® EPS Insulation samples covering RMAX X28 grade EPS cavity battens.  
BRANZ Limited, Moonshine Road,  
Judgeford, Rotorua, New Zealand.  
BRANZ Test report Number: DI10955-001-01.  
BRANZ Report issue date: 26/10/2018.
7. Exova Warringtonfire BAL 29 test report and BAL 29 test certificate  
RMAX EIFS BAL 29 compliance test & report.  
Exova BAL 29 Report No: EWFA 478899700.1  
Exova BAL 29 Certificate No: SFC 478899700.1  
Exova Warringtonfire Aus, Pty Ltd.  
Unit 2, 409-411 Hammond Road, Dandenong  
Victoria, 3175, Australia.  
Certificate Issue date: 14/4/ 2017.
8. Ian Bennie and Associates  
RMAX Batten Cavity EIFS systems Water Penetration test Report as undertaken against NCC-2015 Weatherproofing Verification Methods V2.2.1 & FV1.  
Test report No. 2015-108-S1  
Report issue date: 10/3/2016.
9. James M Fricker Pty Ltd  
54 Felix Crescent Ringwood North, Vic 3134.  
Total "R" (Thermally bridged)  
Thermal Performance calculations to AS/NZS 4859 Parts 1 and 2: 2018 of RMAX Batten cavity EIFS system utilising 75 mm and 100mm thick panel.  
Report Issue Date: 18/2/2019
10. Petrovic Engineering Professional Assessment Report X28 EPS Battens System Conformance Evaluation  
Petrovic Engineering Document No: 16-07-01  
Assessment letter issue date: 20/3/2017.
11. Petrovic Engineering Professional Assessment Report X28 Batten Thickness Range - Weatherproofing and wind load resistance.  
Petrovic Engineering Document No: 17-05-02-R1  
Assessment letter issue date: 27/2/2017.
12. Petrovic Engineering Professional Assessment Report RMAX Range of EIFS Cladding Panel Systems  
Wind Pressures above 10m Height.  
Petrovic Engineering Document No: 17-13-01  
Assessment letter issue date: 27/2/ 2017.
13. VIPAC RMAX EIFS Batten Cavity Structural testing report.  
Test reference application Standards covered: AS/NZS 1170.2:2012 Structural design actions Part 2: Wind Loads.  
AS4055:2012 Wind loads for housing  
AS1562.1:1992 Design and Installation of sheet roof and wall cladding  
AS4040.2 Method 2: resistance to wind pressures for non cyclonic regions  
AS 4040.3 Method 3: Resistance to wind pressures for cyclonic regions  
AS/NZS 4284:2008 Testing of building facades Melbourne Victoria, Australia  
VIPAC Engineers and Scientists Ltd,  
279 Normanby Road,  
Port Melbourne, Vic, 3207  
Report issue date: 15/5/2013.
14. NCC 2019 Climate Zone Requirements as shown on page 10 Image and table sourced from the Australian Building Codes Board (ABCB) website at: <https://www.abcb.gov.au/Resources/Tools-Calculators/Climate-Zone-Map-Australia-Wide>.
15. Figure 2, page 6: Australian map wind region information.  
Graphic and Information derived from the following web page:  
[https://www.dlsweb.rmit.edu.au/toolbox/buildright/content/bcgb4010a/08\\_bca\\_requirements/02\\_high\\_wind/page\\_001.htm](https://www.dlsweb.rmit.edu.au/toolbox/buildright/content/bcgb4010a/08_bca_requirements/02_high_wind/page_001.htm)
16. DuPont™ Tyvek Home Wrap Installation information. Permission granted by DuPont™ for the DuPont™ Tyvek® HomeWrap® Installation Guide – Australia: Version 18 October 2016 information to be directly referenced on page 13 of the brochure.



RMAX Recyclable EPS

### **RMAX and the Environment**

The RMAX Batten Cavity EIFS Cladding range of products are highly energy efficient. The energy saved over the lifetime of an RMAX Batten Cavity EIFS Cladding product range panel in reduced heating demand, more than compensates for the raw material used in its production.

The effective application of EPS insulation can cut carbon dioxide emissions by up to 50%. The energy used in its manufacture may be recovered within six months by the energy saved in the buildings when EPS is used to insulate the building depending on the building design and the climatic conditions.

RMAX promotes the use of EPS, with their superior thermal insulation properties, to lower energy requirements and reduce the impact of buildings on the environment.

RMAX EPS is free from ozone depleting substances in manufacture and composition. EPS is manufactured without CFCs, HCFCs or HFCs. Manufacturing is done with blowing agents that have Zero Ozone Depleting Potential (ODP).

### **Recycling EPS**

EPS products are recyclable and RMAX has established recycling facilities in all of its plants throughout Australia. RMAX is a member of PACIA (Plastics and Chemical Industries Association).

### **Energy Efficient Manufacture**

The manufacture of EPS is a low pollution process. There is no waste in production as all off cuts or rejects are re-used or recycled.

### **RMAX – Innovation Working for You**

RMAX is a company driven by innovation. We have pioneered Rigid Cellular Plastics product technologies, leading the development of innovative product solutions for our customers and international partners.

Other innovative products from RMAX are ThermaSlab™ and ThermaProof™. For details on these and other products in our range, visit [www.rmax.com.au](http://www.rmax.com.au).

We are committed to working with our customers to deliver high quality creative solutions to construction problems. Contact us and see how our innovative approach using EPS in building construction can help you.

### **Developed in Australia. Made in Australia.**

The RMAX Batten Cavity EIFS Cladding Product Range has been developed in Australia by RMAX specifically for Australian conditions and to meet the stringent Australian Building Codes in all states. It is manufactured in RMAX plants around Australia in controlled production processes to maintain consistent quality.



[www.rmax.com.au](http://www.rmax.com.au)

**Enquires 1300 888 972**

#### **AUSTRALIA**

##### **VICTORIA**

2-4 Mephan Street

Maribyrnong VIC 3032

Telephone: 1300 888 972

Facsimile: +61 3 9319 5422

##### **WESTERN AUSTRALIA**

5 Baldwin Street

Kewdale WA 6105

Telephone: 1300 888 972

Facsimile: +61 8 9259 9300

##### **NEW SOUTH WALES**

27 Chifley Street

Smithfield NSW 2164

Telephone: 1300 888 972

Facsimile: +61 2 8787 4200



##### **NEW ZEALAND**

Barnes

368 Church Street

Penrose Auckland 1016

Telephone: +64 9 579 9725

Facsimile: +64 9 579 0472

The pictures and illustrations shown in this brochure are for illustrative purposes only to demonstrate creativity and design and construction flexibility. They do not imply that any of the RMAX Batten Cavity EIFS Cladding Panel types were used in their construction.

RMAX is a division of Huntsman Chemical Company Australia Pty. Limited. ABN 48 004 146 338

