



**Product Manual**  
**Version 2.1 - 05/2015**



# BUILDING REGULATIONS ADVISORY COMMITTEE

## Certificate of Accreditation

### POLYCLAD REINFORCED POLYSTYRENE CLADDING SYSTEM

POLYCLAD PTY LTD  
26 -30 Fleet Street  
SOMERTON, VICTORIA 3062

has applied to the Building Regulations Advisory Committee for the accreditation of the **POLYCLAD reinforced polystyrene cladding system**, as suitable for use as wall cladding system for Class 1 and associated Class 10 buildings.

The Building Regulations Advisory Committee appointed under Division 4 of Part 12 of the *Building Act 1993* has examined the application and accredited the **POLYCLAD reinforced polystyrene cladding system** as complying with Performance Requirements:

P2.1 and P 2.2

of Volume Two of the National Construction Code Series - Building Code of Australia 2015 as adopted by the *Building Regulations 2006*, to the extent that those Clauses refer to the structural stability, resistance to wind action and rainwater action, and weatherproofing of the product when installed in accordance with the POLYCLAD Product Manual Version 2.1-05/2015 including all Conditions of Product Use.

Date issued:

27 October 2015

Certificate Number:

V15/03

Jarrod Edwards  
Director – Technical and Regulation  
Victorian Building Authority

# Conditions of Product Use

1. The use of POLYCLAD® exterior reinforced lightweight polystyrene insulated wall cladding system is limited to the following –

- a. BCA Class 1 and Class 10 buildings
- b. Installation height up to a maximum of 10m
- c. Buildings built in Region A, terrain categories 1–3 and topographic class T1, non cyclonic wind classes N1 – N3 as per Australian Standard AS 4055 - 2006.

2. The product must be installed in accordance with the POLYCLAD® installation Manual (Version No 2.1, dated 05/2015, 38 pages).

3. The product must only be used with a vapour permeable sarking Membrane behind the panels.

4. The packaging of the polystyrene panels shall be stamped, or otherwise marked with a legible, permanent label stating that the system must incorporate a vapour permeable sarking Membrane between the polystyrene panels and the frame. If the panels are to be sold individually and not pre-packaged, the back of each panel must be stamped, or otherwise marked with a legible, permanent label stating that the system must incorporate a vapour permeable sarking Membrane between the polystyrene panels and the frame.

5. The 50mm panel product is only to be installed on 90mm x 45mm timber framework with a maximum stud spacing of 450mm.

6. The 75mm and 100mm panel product is only to be installed on 90mm x 45mm timber framework with a maximum stud spacing of 600mm.

7. The fastenings must be in accordance with the following:

POLYCLAD® EPS Panel	Fasteners for Timber Frame
100mm	≥125mm 10G self tapping galvanised Class 3 screws
75mm	≥100mm 10G self tapping galvanised Class 3 screws
50mm	≥75mm 10G self tapping galvanised Class 3 screws
Washer	48mm diameter plastic washer

A 20mm fastener offset from the sheet edge and 300mm centres fastener to fastener on structure.

8. All fastenings must be protected against corrosion as set out in Part 4 and Appendix C of AS 4773.1 Masonry in small buildings Part 1: Design, as published from time to time.

- a. for areas less than 1 km from breaking surf; or less than 100 m from salt water not subject to breaking surf; or within industrial areas (severe environments); R4 durability classification connectors and accessories shall be used (typically corrosion grade 316 or 316L stainless steel or engineered polymer),

- b. for areas 1 km or more but less than 10 km from breaking surf or 100 m or more but less than 1 km from salt water not subject to breaking surf (marine environments), R3 durability classification connectors and accessories shall be used (typically connectors and accessories galvanised after manufacture — 470g/m<sup>2</sup> on each side or galvanised fasteners — 470g/m<sup>2</sup> coating mass)

9. The POLYCLAD® Cladding System is combustible as defined in the BCA and AS1530.1 and must be located more than 900mm from allotment boundaries, as described in the BCA Part 3.7.1.

10. The sub-floor space between a suspended floor of a building and the ground must satisfy BCA Volume 2 DtS provision 3.4.1.2.

11. The system is only to be installed on 90 x 45mm timber framework and the supporting frame structure must be constructed of timber in accordance with the relevant structural provisions of the Building Code of Australia (BCA) described in Clause 3.4.3.0 and the relevant Australian Standards, including AS 1684.2-2010 or AS 1684.4- 2010.

12. Eaves and soffit linings must satisfy BCA Volume 2 DtS provision 3.5.3.5.

13. Flashings to wall openings must satisfy BCA Volume 2 DtS provision 3.5.3.6 or the details shown in the POLYCLAD® reinforced polystyrene cladding system installation manual (Version No 2.1, dated 05/2015, 38 pages).

14. Windows must satisfy BCA Volume 2 DtS provision 3.6.0 & AS 2047—1999; Windows in buildings— Selection and installation.

15. The POLYCLAD® Cladding System is allowable by the BCA DtS bushfire provisions for external walls on sites up to BAL-19 as described in AS3959-2009 (combustible external walls >400mm above ground, decks, carport roofs, awnings and similar elements or fittings having an angle less than 18 degrees to the horizontal and extending more than 110mm in width from the wall).

16. All fixtures and features attached to the wall must be secured into the wall framing and be designed in accordance with engineering principles.

17. Horizontal and vertical construction joints must be provided as per the installation manual (not more than 5.0 m vertically apart and at each floor level, but not more than 3.0 m horizontally).

18. Render of the panels must be as specified in this POLYCLAD® Manual.  
(Version No 2.1, dated 05/2015, 38 pages).

# Contents

---

## Introduction

• Description	P.05
• Application	P.05
• Composition	P.05
• Standard Panel Sizes & Weights	P.05
• Physical Properties	P.05
• Highlights	P.05
• Manufacturing Tolerances	P.05
• Density	P.06
• Technical Specifications	P.06

## Design Criteria

• Installation Design	P.07
• Fasteners	P.07
• Weatherproofing & Structural Design	P.07
• Fastener Corrosion	P.07

## System Sectional View P.08

## Installation Guidelines Overview P.09

<b>System Overview</b>	P.10
• Materials Checklist	P.11 - P.12

<b>Installation &amp; Coating Guide</b>	P.13 - P.14
• EPS Panel Installation & Fixing - Stage 1	P.13 - P.14
• POLYCLAD® Wall Coating System - Stage 2	P.14

## Timber Frame Construction Details

• Construction Details - Horizontal & Vertical joints	P.15 - P.20
• Ground Slab Edge Detail	P.21
• Timber Floor Junction Detail	P.22
• Roof Junction Detail (option 1)	P.23
• Roof Junction Detail (option 2)	P.24
• Vertical Expansions Joint Details	P.25
• EPS Panel to Brick Details - Vertical Joint	P.25
• Horizontal Expansions Joint Details	P.26
• Corner Details	P.27
• Aluminium Window Sill Detail / Jamb Details	P.28
• Timber Window Sill Detail / Jamb Details	P.29

## Installation & Fixing Details

• Vertical Control Joints	P.30
• Eave Detail Type 1 & 2	P.31
• Flush Eave Detail & Parapet Detail	P.32

## POLYCLAD® Wall Coating System P.33 - P.34

<b>General Information</b>	P.35
• Health & Safety	P.35
• Disclaimer	P.35
• Manufacturers Comment	P.35
• Trade Warranty	P.35
• Statutory Consumer Guarantee	P.35
• General Information	P.35
• POLYCLAD® Appraisals	P.35
• Reference Documents	P.35

# Introduction

## Description

POLYCLAD® is a reinforced lightweight cladding system for use on exterior walls of buildings. Commonly referred to as Exterior Insulation and finishing systems (EIFS).

It is made from Medium Density (M) Grade expanded polystyrene (EPS), moulded Panels, coated and reinforced with an exterior POLYCLAD® Wall Coating System to give an exterior wall having a durable structure and weatherproof standard property.

POLYCLAD® has been tested in accredited laboratories and have been approved to meet Australian Standards for external building insulation cladding products, and is within the performance requirements of the Building Code of Australia (BCA).

## Application

POLYCLAD® is quickly and easily installed on timber framed buildings. It adds minimum weight to the structure and achieves high R value ratings.

Also, due to POLYCLAD'S properties of thermal insulation, POLYCLAD® contributes to the improvement of a building's energy efficiency, and provides first stage insulation and weatherproofing.

POLYCLAD® EPS Panels can accept a range of approved acrylic renders and decorative finishes. This means any number of styles can be achieved – amongst them traditional, heritage, and modern.

## Composition

POLYCLAD® EPS Panel is a closed cell Medium Density Expanded Polystyrene (EPS) material.

## Standard Panel Sizes and Weights

The standard panel sizes are:

POLYCLAD® EPS Panel	Size 1	Size 2
50mm	2.5m x 1.2m	5m x 1.2m
75mm	2.5m x 1.2m	5m x 1.2m
100mm	2.5m x 1.2m	5m x 1.2m

**Table 1: Nominal Surface Mass and Weight of Panel**

POLYCLAD® EPS Panel	Surface Mass Kg/m <sup>2</sup>	Panel Weight 2.5 x 1.2 (Kg)	Panel Weight 5 x 1.2 (Kg)
50mm	0.95	2.85	5.7
75mm	1.42	4.37	8.54
100mm	1.90	5.7	11.4

## Physical Properties

The Physical properties of POLYCLAD® EPS Panel comply to Australian Standard AS1366 Part 3-1992 for Rigid Cellular Polystyrene Moulded Class M Grade (Medium Density) product.

## Highlights

Structure Stability  
Thermal Insulation

## Manufacturing Tolerances

Length: 2400mm ± 10mm  
Width: 1200mm ± 5mm  
Thickness: ± 1.0mm

## Introduction (Cont)

### Density

Table 2: Density

Thickness	50mm	75mm	100mm
M Grade Density (Kg/m <sup>3</sup> )	17.5 - 18 kg/m <sup>3</sup>	17.5 - 18 kg/m <sup>3</sup>	17.5 - 18 kg/m <sup>3</sup>

### Thermal Insulation & Performance

An 'R' Rating is achieved to the completed POLYCLAD® Wall Coating system as well as uncoated POLYCLAD® EPS Panels. The 'R' value is a measure of thermal resistance, it is expressed as a thickness of the material divided by thermal conductivity (reference table 3).

The opportunity exists to accomplish higher 'R' Ratings through the optional thicknesses of the panel, but without the need to apply additional materials.

The finished POLYCLAD® EPS Panels are water resistant. However, a waterproof POLYCLAD® Breathable Wall Wrap (Sarking) is required. POLYCLAD® Breathable Wall Wrap meets Australian Standards.

### Technical Specifications

Table 3: 'R' Value of EPS Panel (Uncoated)

Thickness (mm)	50mm	75mm	100mm
Thermal conductivity at 23°C (W/m.K)	0.0380	0.0380	0.0380
R Value at 23°C (m <sup>2</sup> .K/W)	1.32	1.97	2.63

Table 4: Total 'R' Value of Wall System (Coated)

Thickness (mm)	50mm	75mm	100mm
R Value (m <sup>2</sup> .K/W)	1.76	2.46	3.11

\*Reference POLYCLAD® System - Sectional View.  
Figure 1, Page 8.

### Moisture Resistance

POLYCLAD® EPS Panel material allows for the transmission of water vapour. This means the external face of a building is allowed to 'breathe'.

POLYCLAD® EPS Panels can provide a weatherproof face to a building, when correctly installed with POLYCLAD® Breathable Wall Wrap (Sarking), finished with the proper detailed flashings, and approved POLYCLAD® Wall Coating System.



# Design Criteria

## Installation Design

Installation and fixing requirements must – without exception – be in accordance with details stipulated in the manual and as per the requirements of the local building authority.

POLYCLAD® EPS Panel Fixing details for timber frame structure. All fasteners must be either Galvanised Screw - class 3 (R3) or Stainless Steel 316 - class 4 (R4) as per conditions of location.

### Fasteners

Each fastener comprises:

- 1 Galvanised or Stainless Steel Screw
- 1 Washer

**Table 5: Fixing Components Details**

POLYCLAD® EPS PANEL	FASTENER SIZES Galvanised Steel - (R3) or Stainless Steel - (R4)
50mm Panel	10G x 75mm CSK Head Coarse Ribbed (R3) or (R4)
75mm Panel	10G x 100mm CSK Head Coarse Ribbed (R3) or (R4)
100mm Panel	10G x 125mm CSK Head Coarse Ribbed (R3) or (R4)
Washer	48mm Diameter Plastic POLYCLAD® Washer

Note: The thickness of the panel determines the length of the galvanised screw required. For timber frame construction, the galvanised screw must be – at least – a minimum 25mm longer than the panel thickness.

## Weatherproofing & Structural Design

POLYCLAD® EPS panel structural and weatherproofing performance was evaluated in accordance through tests performed in accredited laboratories (reference 1 & 2 - Page 36, Reference Documents. These evaluations were performed in agreement with the relevant Australian Standards Structural AS 1684, to assist against different classification of wind from region A & B (Non-Cyclonic) and Weatherproofing AS/ NZS 4284:2008 as requested by BCA and defined according to AS/NZS 4284:2008.

Table 6 defines the provisions of fixing in Regions A & B for different wind categories.

The limitations of the following fixing provisions are:

- Building height to eaves < 10m
- Buildings built in terrain categories 1 to 3

**Table 6: Minimum Stud & Fastener Spacing for POLYCLAD®**

Non-Cyclonic Regions (A & B)			
Wind Category	N1	N2	N3
Stud Spacing (mm)	450 (for 50mm) / 600 (for 75mm & 100mm)		
Galvanised Screw Spacing (mm)	300	300	300

### Fastener Corrosion

All fastening must be protected against corrosion as set out in Part 4 and Appendix C of AS4773.1-2010 Masonry in small buildings Part 1: Design and particularly;

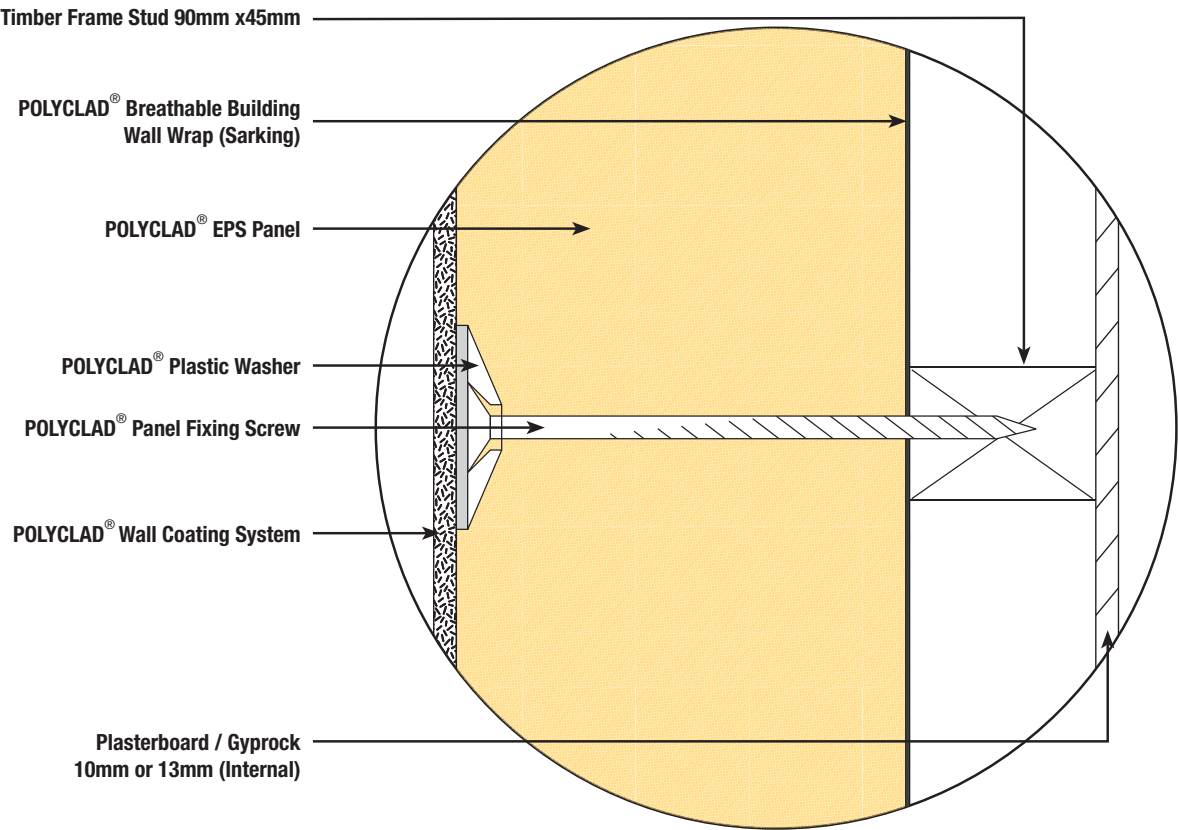
- for areas less than 1km from breaking surf; or less than 100m from salt water not subject to breaking surf; or within industrial areas (severe environments); R4 durability classification connectors and accessories shall be used (typically corrosion grade 316 or 316L stainless steel or engineered polymer),
- for areas 1 km or more but less than 10km from breaking surf or 100m or more but less than 1 km from salt water not subject to breaking surf (marine environments), R3 durability classification connectors and accessories shall be used (typically connectors and accessories galvanised after manufacture - 470g/m<sup>2</sup> coating mass)



# POLYCLAD<sup>®</sup> System - Sectional View

## Fixing & Coating Details

**Figure 1**



**Table 6: Material Configuration - Sectional View**

Sheet Size	50mm thick EPS	75mm thick EPS	100mm thick EPS
Fastener Type	10G x 75mm CSK Head Coarse Ribbed (R3) or (R4)	10G x 100mm CSK Head Coarse Ribbed (R3) or (R4)	10G x 125mm CSK Head Coarse Ribbed (R3) or (R4)
Washer Diameter	48mm plastic	48mm plastic	48mm plastic
POLYCLAD <sup>®</sup> Wall Coating System	POLYCLAD <sup>®</sup> EPS Render + Mesh POLYCLAD <sup>®</sup> Primer POLYCLAD <sup>®</sup> Acrylic Texture POLYCLAD <sup>®</sup> Membrane Paint (OPTIONAL)	POLYCLAD <sup>®</sup> EPS Render + Mesh POLYCLAD <sup>®</sup> Primer POLYCLAD <sup>®</sup> Acrylic Texture POLYCLAD <sup>®</sup> Membrane Paint (OPTIONAL)	POLYCLAD <sup>®</sup> EPS Render + Mesh POLYCLAD <sup>®</sup> Primer POLYCLAD <sup>®</sup> Acrylic Texture POLYCLAD <sup>®</sup> Membrane Paint (OPTIONAL)
Timber Frame Stud	90mm x 45mm	90mm x 45mm	90mm x 45mm
Stud Centre Spacing	450mm	600mm	600mm
Breathable Building Wall Wrap (Sarking)	Australian Standards	Australian Standards	Australian Standards

# Installation Guidelines Overview

---

## Preparation

Prior to installing POLYCLAD® EPS Panels, ensure that solid blocking are installed as per approved building standards for installation of hot water systems, air-conditioning units, clothes lines, etc. Walls must be ( $\pm 5\text{mm}$ ) for best results. POLYCLAD® EPS Panels have a very low water moisture transfer therefore POLYCLAD® Breathable Wall Wrap (Sarking) must be fixed to all areas where POLYCLAD® EPS Panels are being installed, directly on stud frame using foil fixing nails with silver side facing inwards towards stud frame.

## Cutting

For most accurate, clean and minimal mess cutting, it's recommended to use a diamond tipped masonry blade or fibre cement blade on a hand power saw. For best results with intricate cutting, a hand saw or hot knife must be used.

## Fixing Process

POLYCLAD® EPS Panels can be installed both vertically and horizontally. Panels are screwed directly to stud frame and POLYCLAD® Breathable Wall Wrap (Sarking). Screw heads and washers must be slightly recessed into surface of the panel to ensure there are no raised areas and positioned at a maximum of 300mm centres. All joints between POLYCLAD® EPS Panels must be glued with POLYCLAD® Panel Joint Adhesive which is suitable for EPS insulation polystyrene.

POLYCLAD® EPS Panels are not to be glued to stud frame. This will allow the frame to expand and contract without stressing the external coating.

## External Corners Angles & Starting Beads

Every external corner and any exposed areas such as windows, doors, roof line etc, must be protected with a POLYCLAD® Corner Angle Bead. This intern will protect the panel and provide a clean finish line for coating. A POLYCLAD® Starter Channel Bead must be used at the bottom of the POLYCLAD® EPS Panels which act as a drip mould for moisture to escape as they have weep holes approximately every 200mm.

## Expansion/Control Joints

Correct building practice requires that vertical expansion joints must not exceed 5 metres where the length of a wall is greater than 8 metres. Horizontal expansion joints must not exceed more than 3 metres. Create a control joint by cutting a groove through the render and mesh above windows, door openings and Internal corners. Prior to texture coating, joint must be filled with a flexible sealant. It is imperative that an expansion joint occurs when POLYCLAD® EPS Panels meets other substrates.

## Render & Coating

After the installation and preparation of the POLYCLAD® EPS Panels, the Panels have to be coated as per POLYCLAD® Wall Coating System.

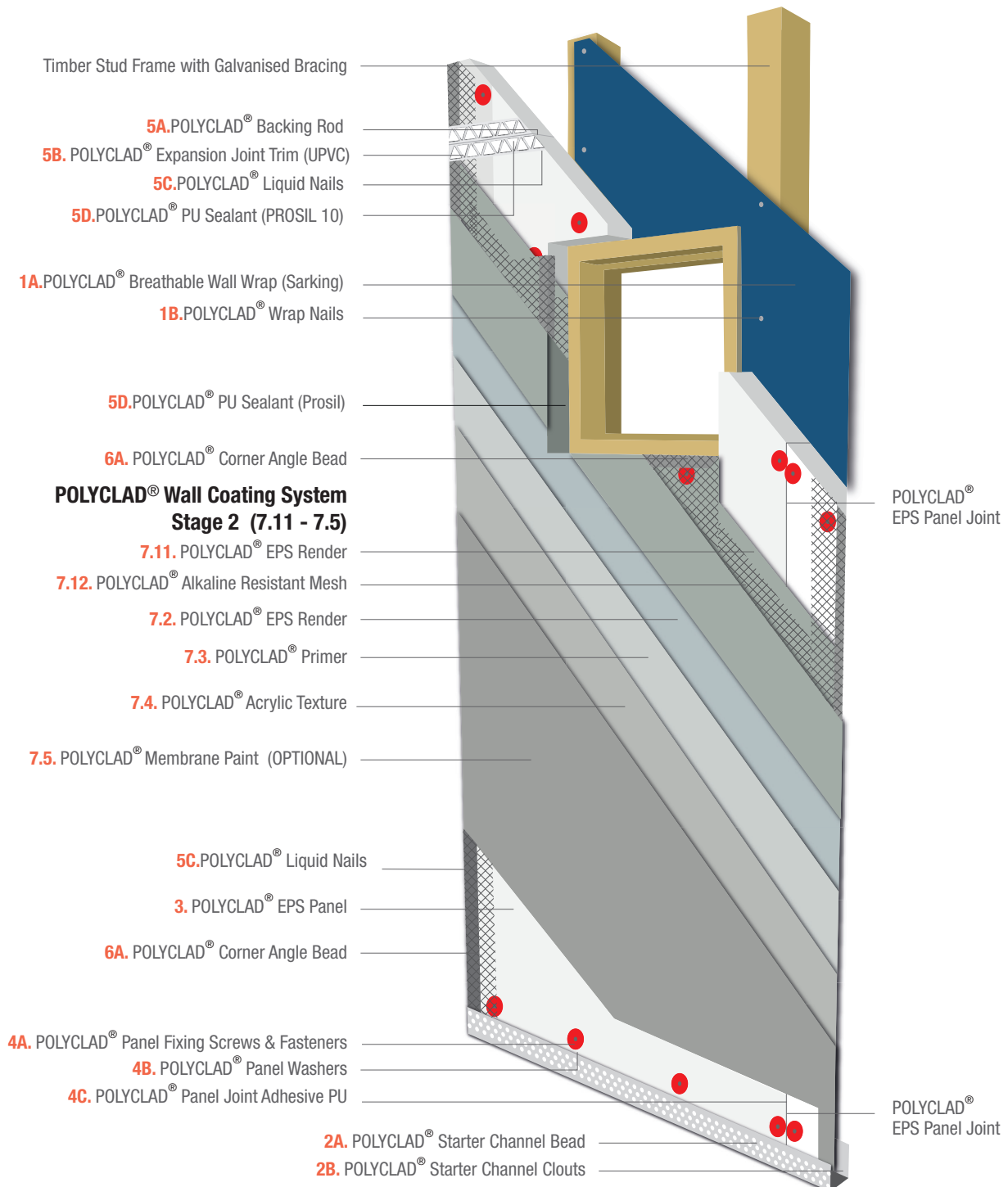
## Acrylic Texture Application

\*The Customer is responsible for coating performance and durability to justify POLYCLAD® System Certification.

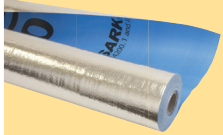

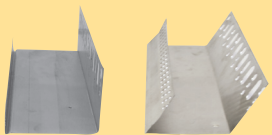

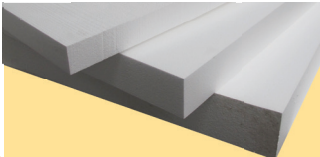




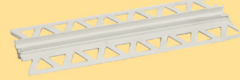


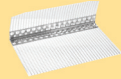
# POLYCLAD® System Overview - Installation & Coating

Prior to Installation of the POLYCLAD® EPS Panels, Timber Stud Frame with Galvanised Bracing must be Installed as per Timber Frame Details shown on pages 15, 17 & 19.



**Figure 2**



# Materials - Checklist - Stage 1

ID No.	MATERIAL / ITEM	SPECIFICATION / SIZES	QTY/COVERAGE (AREA)	IMAGE
1A	POLYCLAD® BREATHABLE WALL WRAP(SARKING)	EXTRA HEAVY DUTY -AS4200.1.1994 1370MM X 36.5M 2740MM X 30M	50SQM 82SQM	
1B	POLYCLAD® WRAP NAILS	GALVANISED FOIL FIXING NAILS	500 / BOX PACK	
2A	POLYCLAD® 90° STARTER CHANNEL BEAD / POLYCLAD® 120° STARTER CHANNEL BEAD	ALUMINIUM CHANNEL WITH WEEP HOLES -50MM -75MM -100MM	2350MM LENGTHS	
2B	POLYCLAD® STARTER CHANNEL CLOUTS	GALVANISED CLOUTS	500 / BOX PACK	
3	POLYCLAD® EPS PANEL	EXPANDED POLYSTYRENE –M GRADE EPS PANEL THICKNESS 50MM, 75MM & 100MM SIZES 2.5M X 1.2M 5M X 1.2M	2.5M X 1.2M > 3 SQM 5 X 1.2M > 6 SQM	
4A	POLYCLAD® PANEL FIXING SCREWS / FASTENERS	GALVANISED SCREWS - CLASS 3 (R3) / STAINLESS STEEL 316 or 316L - CLASS 4 (R4) 10G COUNTER SUNK HEAD – COARSE 50MM EPS PANEL – 75MM SCREW 75MM EPS PANEL – 100MM SCREW 100MM EPS PANEL – 125MM SCREW	500 / BOX PACK 75MM 100MM 125MM	
4B	POLYCLAD® PANEL WASHERS (PP)	NYLON POLYPROPYLENE WASHERS DIA – 48MM	500/PACK	
4C	POLYCLAD® PANEL JOINT ADHESIVE (PU)	-POLYURETHANE ADHESIVE/SEALANT FOAM-CAN -GUN APPLICATOR -GUN CLEANER (SOLVENT)-CAN	750ML CAN 500ML CAN	
5A	POLYCLAD® BACKING ROD	POLYURETHANE DIA-10MM	210M ROLL	
5B	POLYCLAD® EXPANSION JOINT TRIM (UPVC)	FOR EXPANSION JOINTS	3.0M LENGTHS	
5C	POLYCLAD® LIQUID NAILS (WATER BASED)	WATER BASED CONSTRUCTION ADHESIVE	310ML CARTRIDGE	
5D	POLYCLAD® PU SEALANT (PROSIL 10)	PROSIL 10 NEUTRAL OXIME CURING SILICONE ADHESIVE/SEALANT.	400ML & 600ML SAUSAGE 300MM CARTRIDGE	
6A	POLYCLAD® CORNER ANGLE BEAD	ALUMINIUM ANGLE WITH FIBREGLASS MESH 2.7M & 3.0M LENGTHS	80 / BOX PACK	








## Miscellaneous Items

ID No.	MATERIAL / ITEM	SPECIFICATION / SIZES	QTY/COVERAGE (AREA - LM²)	IMAGE
MISC	POLYCLAD® DAMP PROOF COURSE	BITUMEN & POLYETHYLENE FILM COATING AS 2904-1995	110mm x 20mm 150mm x 20mm 300mm x 20mm Other size available on request.	
MISC	POLYCLAD® FLASHING TAPE	ALUMINIUM ADHESIVE FOIL TAPE 150mm & 25mm	25 L/M	

Refer to Figure 2 - Page 10.

# Materials - Checklist - Stage 2

## POLYCLAD® Wall Coating System – STAGE 2

ID No.	MATERIAL / ITEM	SPECIFICATION / SIZES	COVERAGE & THICKNESS (AREA)	IMAGE
7.11	POLYCLAD® EPS RENDER	BASE COAT HIGH STRENGTH POLYMER MODIFIED CEMENT BASED RENDER APPLICATION COATS REQUIRED- 1(ONE) COAT- PACKING – 20KG PAPER BAG	PER COAT 4 - 4.5SQM/20KG BAG THK - @ 3-4MM	
7.12	POLYCLAD® MESH	FOR BASE COAT ALKALINE RESISTANT FIBRE GLASS MESH (NON-ADHESIVE) APPLICATION LAYER REQUIRED – 1(ONE) LAYER(TO BE EMBEDDED) 160GSM – 5MM X 5MM ROLL SIZE-1.2M X 50M –	50SQM/ROLL	
7.12A	POLYCLAD® MESH	FOR BASE COAT ALKALINE RESISTANT FIBRE GLASS MESH (NON-ADHESIVE) APPLICATION LAYER REQUIRED – 1(ONE) LAYER (TO BE EMBEDDED) 160GSM – 5MM X 5MM ROLL SIZE-200MM X 50M –	10SQM/ROLL	
7.2	POLYCLAD® EPS RENDER	BASE COAT HIGH STRENGTH POLYMER MODIFIED CEMENT BASED RENDER APPLICATION COATS REQUIRED- 1(ONE) COAT- PACKING – 20KG PAPER BAG	PER COAT 4 - 4.5SQM/20KG BAG THK - @ 3-4MM	
7.3	POLYCLAD® PRIMER	PRIMER COAT WATER BASED ACRYLIC PIGMENTED ACRYLIC PRIMER APPLICATION COATS REQUIRED- 1(ONE) COAT PACKING – 15L PLASTIC PAIL	PER COAT 100SQM /15L PAIL WFT - @ 75-100uM	
7.4	POLYCLAD® ACRYLIC TEXTURE	DECORATIVE COAT WATER BASED ACRYLIC TEXTURE COATING IN FINE OR COARSE PROFILE APPLICATION COATS REQUIRED- 1(ONE) COAT PACKING – 15L PLASTIC PAIL	PER COAT TBA- SQM/15L PAIL *REFER WEBSITE OR PRODUCT FLYER THK - @ GRAIN SIZE	
7.5	POLYCLAD® MEMBRANE PAINT (OPTIONAL)	TOP COAT - WATER BASED ACRYLIC PROTECTIVE COATING APPLICATION COATS REQUIRED- 1(ONE) COAT PACKING – 15L PLASTIC PAIL	PER COAT 45-65 SQM/15LPAIL WFT - @ 150-200uM	

Refer to Figure 2 - Page 10.



# System - Installation & Coating Guide

## IMPORTANT INSTRUCTIONS

**Prior to installation of the POLYCLAD® EPS Panel, refer to this manual and also ensure the following;**

- The 90mm x 45mm stud timber frame is constructed with galvanised bracing as per frame details shown on pages 15, 17 & 19.

While building the frame observe & follow the relevant Australian standards and the requirements of BCA (Building Code of Australia.)

- Check all windows and doors are fixed to the timber frame as per instructions of the manufacturer & follow the relevant Australian standards and the requirements of BCA (Building Code of Australia.)
- The timber frame is constructed taking in view of the required expansion joints as per figure 13 - page 25. Additional timber studs at the expansion joint are required to allow for screw-fixing of the EPS Panels at the joints. Additional studs at corners as per Figure 16 - page 27.
- Damp proof course is laid on the slab prior to fixing timber frame bottom plate to ground slab edge as shown in figure 9 - page 21.
- Ensure that all solid back blocking are installed for electrical accessories and plumbing requirements e.t.c, this has to be done prior to cladding of the POLYCLAD® EPS Panels. Timber frame is plumb and true and studs are in level with each other and within ( $\pm 5$ mm) for best results.
- Follow building construction codes and observe relevant construction site safety regulations prior to commencement of job.

Prior to commencement of installing the POLYCLAD® system refer to the relevant product data sheet (PDS) and material safety data sheet (MSDS)

## POLYCLAD® EPS Panel Installation & Fixing - Stage 1

For information refer to the POLYCLAD® system overview diagram. Figure 2 on page 10 - item no. 1A to 6A)

## INSTALLATION STEPS:

### Installation of POLYCLAD® Breathable Wrap (Sarking)

1. Secure the POLYCLAD® Breathable Wall Wrap (Sarking)-1a using foil fixing nails-1b to all areas of the timber stud frame where POLYCLAD® EPS Panels are to be being installed, with its silver side facing inwards (towards the timber stud frame).
2. The wrap must be extended to the bottom edge and behind the entire POLYCLAD® starter channel bead-2a

as shown in figure 9 - page 21. The wrap must be evenly trimmed at window and door openings in the timber frame. POLYCLAD® flashing tape can be used in areas around windows and doors for additional waterproofing.

3. At roof junctions as shown in figure 11 - page 23 fix necessary roof flashings over the building wrap, then run a POLYCLAD® flashing tape over the junction of the wrap and the flashing before fixing the starter bead.

### Installation of POLYCLAD® starter channel bead

4. Fix the POLYCLAD® Starter Channel Bead-2a according to panel size (in 50mm, 75mm or 100mm) to the timber frame bottom plate using POLYCLAD® Starter Channel Clouts-2b. **(Starter beads must be installed a minimum of 30mm below the timber frame bottom plate).** While fixing the starter bead ensure the clearance from ground level is 100mm or from the roof pitch is minimum 10mm, as shown in figure 9 - page 21 & figure 11 - page 23. POLYCLAD® Starter Channel Beads are available in 90° & 120° versions, 90° versions are generally used for ground slab rebates. 90° & 120° versions either can be used for the roof junctions.

### Installation of POLYCLAD® EPS Panels

5. POLYCLAD® EPS Panels-3a (in 50mm, 75mm or 100mm) can be installed in either vertical or horizontal joint configuration, refer to figure 15 - page 20 to confirm the locations of the fixing screw/fastener and washers on the timber stud frame as per required panel joint layout and confirm the correct screw lengths are used by referring table no.5 on page 7.
6. Slot the POLYCLAD® EPS panel into the POLYCLAD® Starter Channel Bead and align the panel to the starting corner of the breathable wrap cladded timber frame wall. Ensuring the panel is flat and in level to the timber frame, ( with standard tolerances  $\pm 5$ mm) fix the required POLYCLAD® EPS panel with screw and washer 4a & 4b to the POLYCLAD® Breathable Wall Wrap cladded timber stud frame at maximum of 300mm centre spacing as shown in the installation and fixing details on figure 15 - page 20.

Ensure the screw heads and washer are slightly recessed into the surface of the EPS panel, this will ensure a bump- less coating finish of the wall cladding.

7. Screw all the POLYCLAD® EPS Panels to the timber stud frame as mentioned above and ensure the joints have minimum gap between each sheets. All panel joints and corner junction must be glued together using POLYCLAD® panel joint adhesive-4c. Refer to drawings in this manual. Use the gun applicator to inject the adhesive foam into the panel joint and corner gaps to glue the Panels together, ensure all gaps have been properly filled up, the foam acts as an adhesive and sealant. On drying the excess spill of expanded foam can be cut off with a Stanley knife to flush surface with the EPS panel.

## System - Installation & Coating Guide (Cont)

**Do not use POLYCLAD® Panel Joint Adhesive to fill expansion joints or to glue the Panels to timber stud frame, it must be used only to glue POLYCLAD® EPS Panels, POLYCLAD® EPS Panels must not be glued to timber frame.**

### Installation of Vertical & Horizontal Expansion Joints

8. It is mandatory to have vertical expansion joints every 5 metres where the wall is greater than 8 metres and the horizontal expansion joint must not exceed more than 3 metres or in special circumstances provide expansion joints as advised by the design engineer. It is also mandatory to have an expansion joint at the junction of the POLYCLAD® EPS Panel and other substrates like brick, concrete and other masonry substrates.

9. Where expansion joints are present within the EPS panel wall, screw the Panels having a joint gap of 8 – 10mm between the two Panels. Refer to details on vertical, horizontal expansion joint as shown in figures 13, 14 & 15. Insert the POLYCLAD® backing rod-5a into the expansion joint gap at 5mm from surface, glue the POLYCLAD® expansion trim-5b on the edge of both the EPS Panels using POLYCLAD® liquid nails-5c, hold with a adhesive tape until dry, remove the tape before coating. Do not cut the trim till the entire coating system has been applied. Ensure the expansion joint is not coated with either render or texture, after cutting the trim with a Stanley knife; fill the expansion joint with POLYCLAD® PU Sealant (Prosil)-5d flush to the coating surface before application of Shield.

### Installation of POLYCLAD® corner angle bead & POLYCLAD® window angle sill bead.

10. Every external corner must be protected using POLYCLAD® corner angle bead-6a, these meshed aluminium angles have to be glued to all corners of the EPS panel wall using POLYCLAD® liquid nails-5c, hold with an adhesive tape till dry, remove the tape before coating. Refer to details as shown in figures 17, 18 & 19. Ensure the meshed corner angles has the longer mesh side over the corner joint area of the two EPS Panels when glued.

11. Where windows and doors are present cut and fix the EPS Panels flush to the trims ensuring the EPS panel is cut at 90 deg along the side and top frame (Jamb) to fix the POLYCLAD® corner angle bead-6a and on the bottom side of the window frame having the window sill EPS panel. Keep only required gap between the frame and the POLYCLAD® EPS Panel to accommodate for the coating and sealant as per details for aluminium window frame on **page 28** and timber window frame on **page 29** of this manual. Additional screws and washers can be used to fix the POLYCLAD® EPS Panels around the windows and door frames. These meshed angle beads have to be glued to all corners of the EPS panel using POLYCLAD® liquid nails-5c, hold with an adhesive tape till dry, remove the tape before coating. Fill the gap at the junction of the window frame and the coated panel with

POLYCLAD® PU Sealant (Prosil)-5d flushed to the coated surface. The joint surface has to be top coated with Shield -7.5 To blend in with the wall colour.

### Installation of Control Joints

12. Vertical control joints have to be formed on doors and windows as per details shown in Figure 22. The joints have to be created after the coating of render - stage 7.11 to 7.2 has been completed and the render has cured. Texture must not be applied over control joints. The joints can be formed by cutting a groove of minimum 5mm into the reinforced mesh render coating until the exposure of the EPS Panel using a concrete cutting disc. After creating a groove, all control joints have to be flush filled with POLYCLAD® PU Sealant (Prosil)-5d flushed to the coated surface.

## POLYCLAD® Wall Coating System - Stage 2

Prior to application of the coating system, refer to this manual and also ensure the following;

- The POLYCLAD® EPS Panel wall has been properly installed and prepared (setup) as specified in the POLYCLAD® installation & fixing guidelines - Stage 1.
- Check all expansion joints, corner angle beads, window sill bead etc are in place.
- Remove all tapes and unwanted contaminants from the EPS panel surface.
- Clean the surface and prepare the wall for the application of the POLYCLAD® Wall Coating System – Stage 2, mask windows and doors and lay drop sheets.
- Check all materials are present as per material check list for POLYCLAD® Wall Coating System on page 12.
- Follow building construction codes are in place and observe relevant construction site safety regulations prior to commencement of job.

Prior to commencement of installing the POLYCLAD® system refer to the relevant product data sheet (pds) and material safety data sheet (msds)

Refer to the POLYCLAD® system overview diagram on **page 10** - item no. 7.11 - 7.5 for an overview of the POLYCLAD® Wall Coating System .

### Application instructions and steps

1. After the installation and preparation of the POLYCLAD® EPS Panel wall, the Panels have to be coated as per the POLYCLAD® Wall Coating System
2. Refer and follow the application instruction and steps as specified in the POLYCLAD® Wall Coating System (on pages 33 - 35 of this manual. Follow instructions as per steps 1, 2, 3 & 4.



# POLYCLAD® EPS Panel Timber Frame Construction Details - **Horizontal Joint**

Frame details for Non Cyclonic A&B

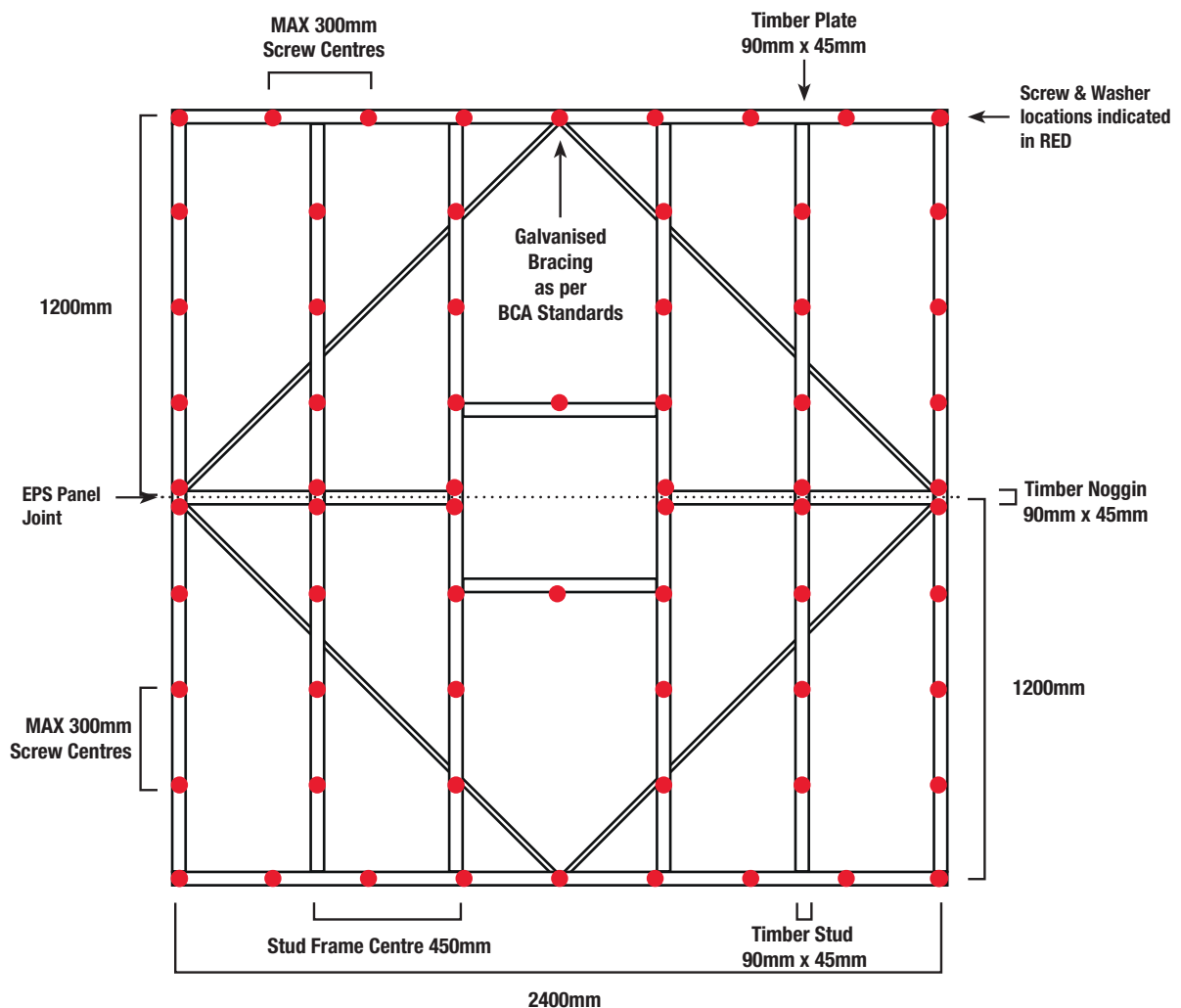
50mm Panel & Screw Details - (with window frame)

450mm Stud Spacings (Wind Category N1, N2, & N3)

Number of POLYCLAD® Panel  
Fixing Screw for 450mm stud  
spacing at 300mm screw  
centres per  
horizontal panel  
(2400mm x 1200mm)

36

**Figure 3**



PLEASE NOTE: For 50mm Cladding, for window openings greater than 600mm, the maximum stud spacing under and over the window should not exceed 450mm and the construction details should be as per Australian Standards and as recommended by the BCA.

# POLYCLAD® EPS Panel

## Installation & Fixing Details - **Horizontal Joint**

Frame details for Non Cyclonic A&B

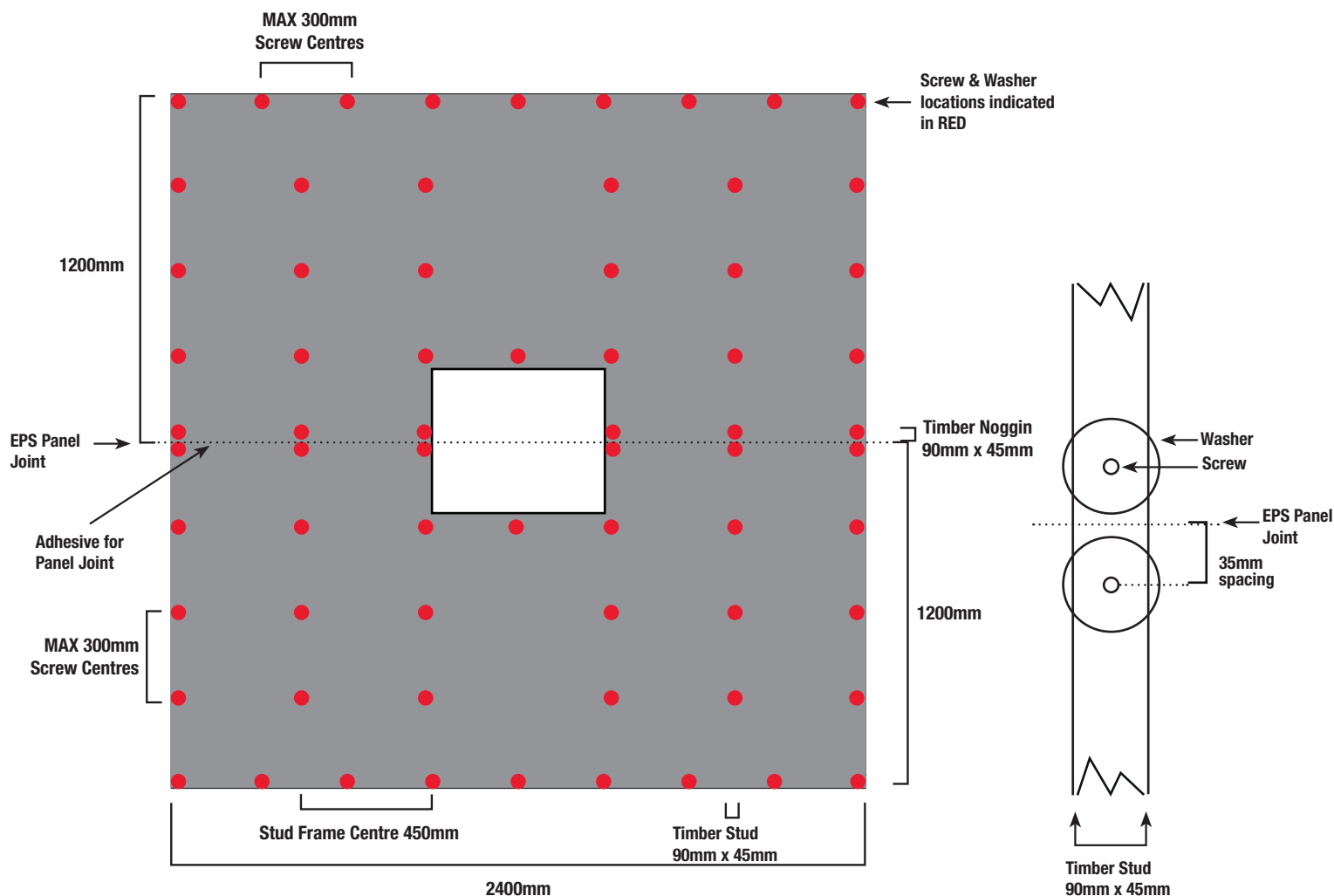
50mm Panel & Screw Details -(with window frame)

450mm Stud Spacings (Wind Category N1, N2, & N3)

Number of POLYCLAD® Panel  
Fixing Screw for 450mm stud  
spacing at 300mm screw  
centres per  
horizontal panel  
(2400mm x 1200mm)

36

**Figure 4**



PLEASE NOTE: For 50mm Cladding, for window openings greater than 600mm, the maximum stud spacing under and over the window should not exceed 450mm and the construction details should be as per Australian Standards and as recommended by the BCA.

# POLYCLAD® EPS Panel Timber Frame Construction Details - **Vertical Joint**

Frame details for Non Cyclonic A&B

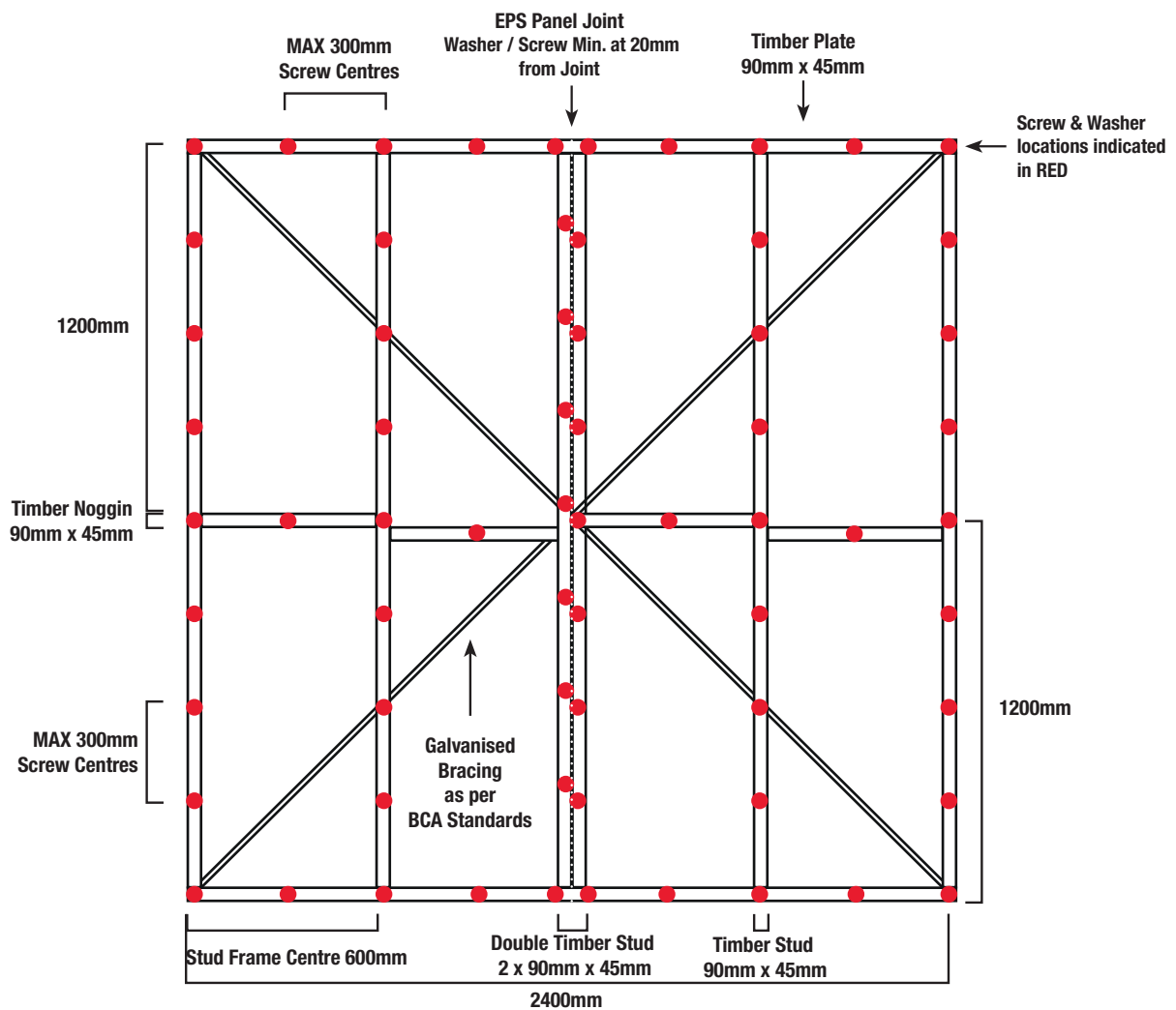
75mm & 100mm Panel & Screw Details -

600mm Stud Spacings (Wind Category N1, N2, & N3)

Number of POLYCLAD® Panel  
Fixing Screw for 600mm stud  
spacing at 300mm screw  
centres per vertical panel  
(2400mm x 1200mm)

33

**Figure 5**



PLEASE NOTE: For 75mm & 100mm Cladding, for window openings greater than 600mm, the maximum stud spacing under and over the window should not exceed 600mm and the construction details should be as per Australian Standards and as recommended by the BCA.

# POLYCLAD® EPS Panel

## Installation & Fixing Details - **Vertical Joint**

Frame details for Non Cyclonic A&B

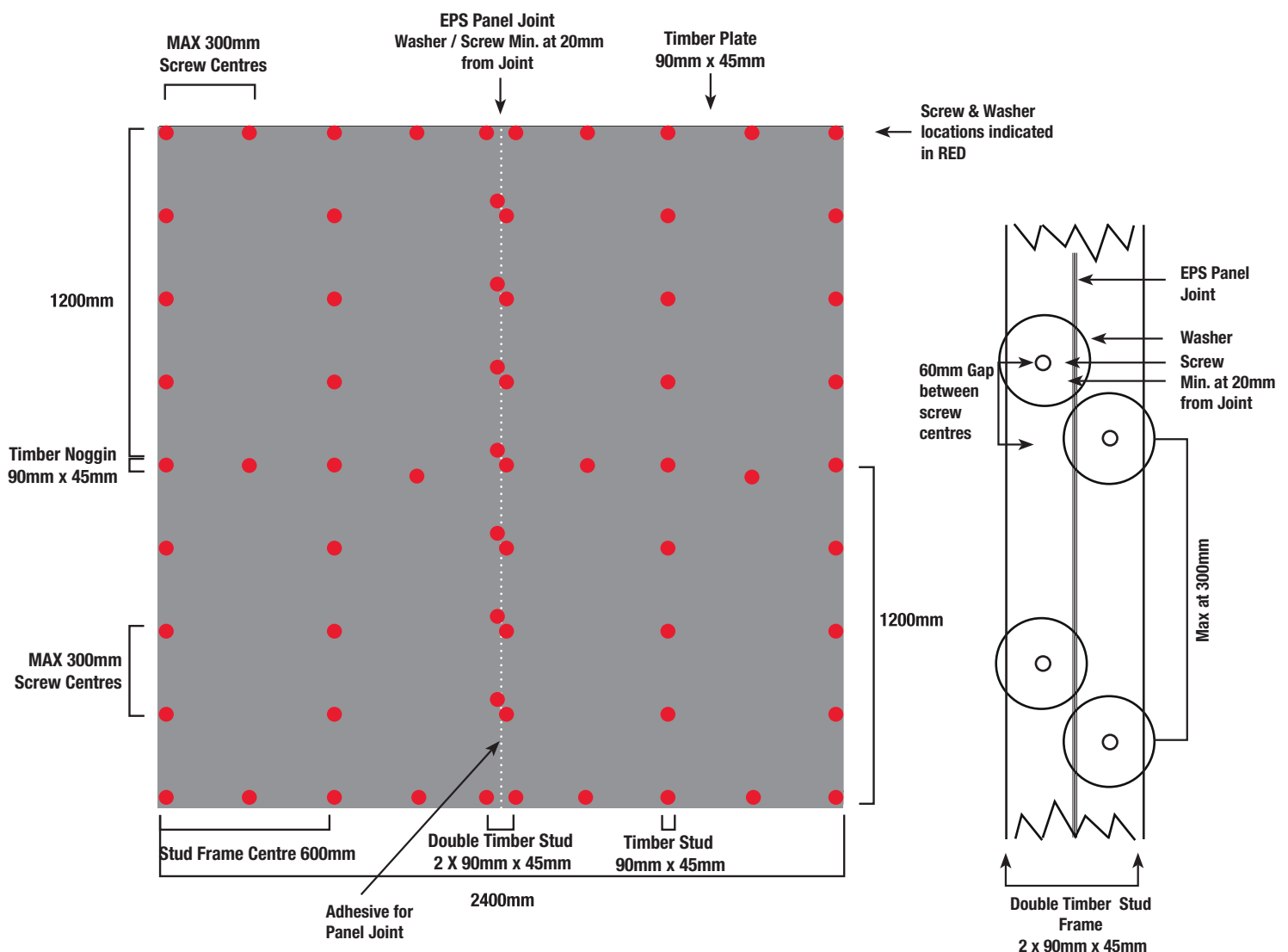
75mm & 100mm Panel & Screw Details -

600mm Stud Spacings (Wind Category N1, N2, & N3)

Number of POLYCLAD® Panel  
Fixing Screw for 600mm stud  
spacing at 300mm screw  
centres per vertical panel  
(2400mm x 1200mm)

33

**Figure 6**



PLEASE NOTE: For 75mm & 100mm Cladding, for window openings greater than 600mm, the maximum stud spacing under and over the window should not exceed 600mm and the construction details should be as per Australian Standards and as recommended by the BCA.

# POLYCLAD® EPS Panel Timber Frame Construction Details - **Horizontal Joint**

Frame details for Non Cyclonic A&B

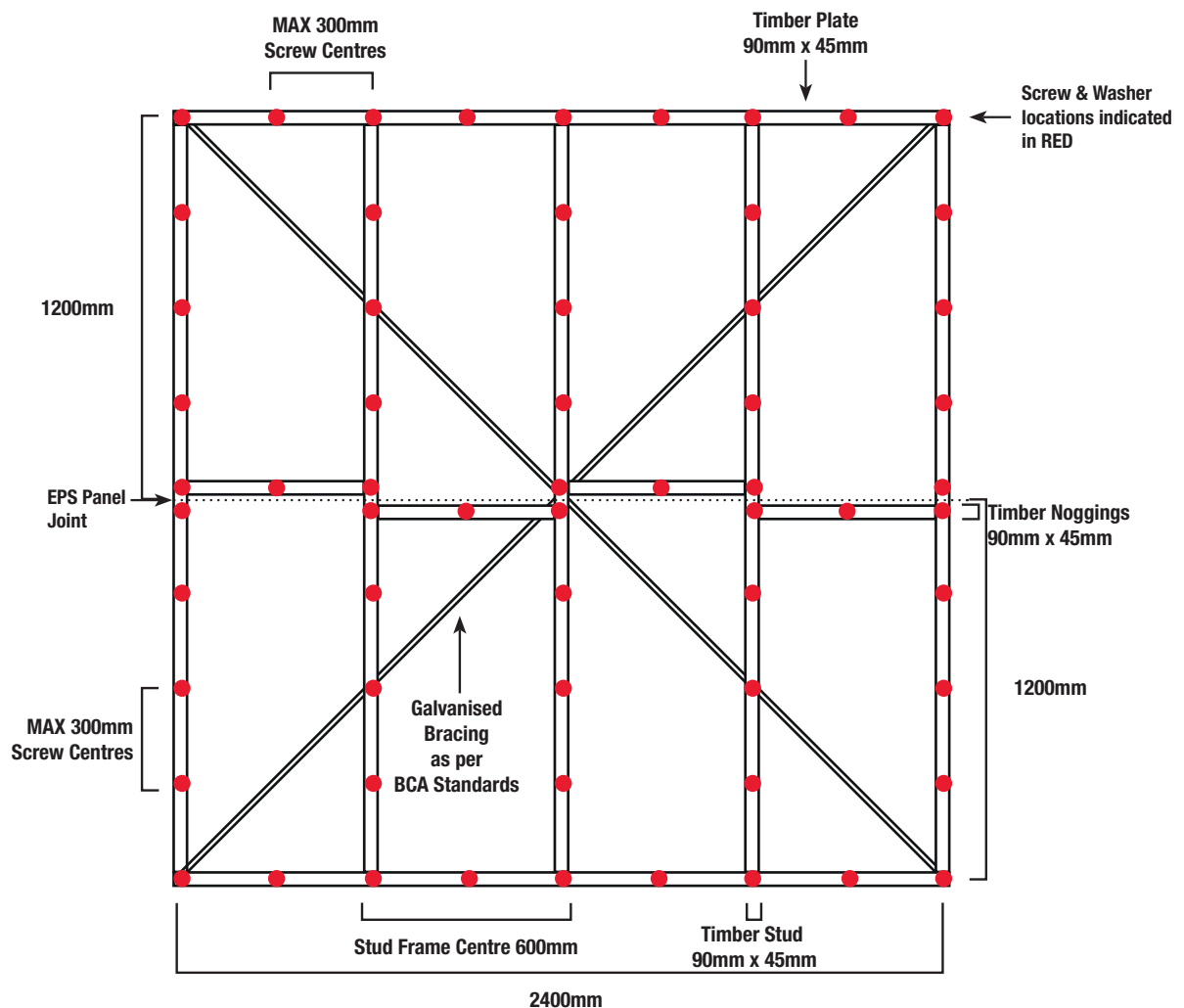
75mm & 100mm Panel & Screw Details

600mm Stud Spacings (Wind Category N1, N2, & N3)

Number of POLYCLAD® Panel  
Fixing Screw for 600mm stud  
spacing at 300mm screw  
centres per horizontal panel  
(2400mm x 1200mm)

31

**Figure 7**



PLEASE NOTE: For 75mm & 100mm Cladding, for window openings greater than 600mm, the maximum stud spacing under and over the window should not exceed 600mm and the construction details should be as per Australian Standards and as recommended by the BCA.

# POLYCLAD® EPS Panel Timber Frame Installation & Fixing Details - **Horizontal Joint**

Frame details for Non Cyclonic A&B

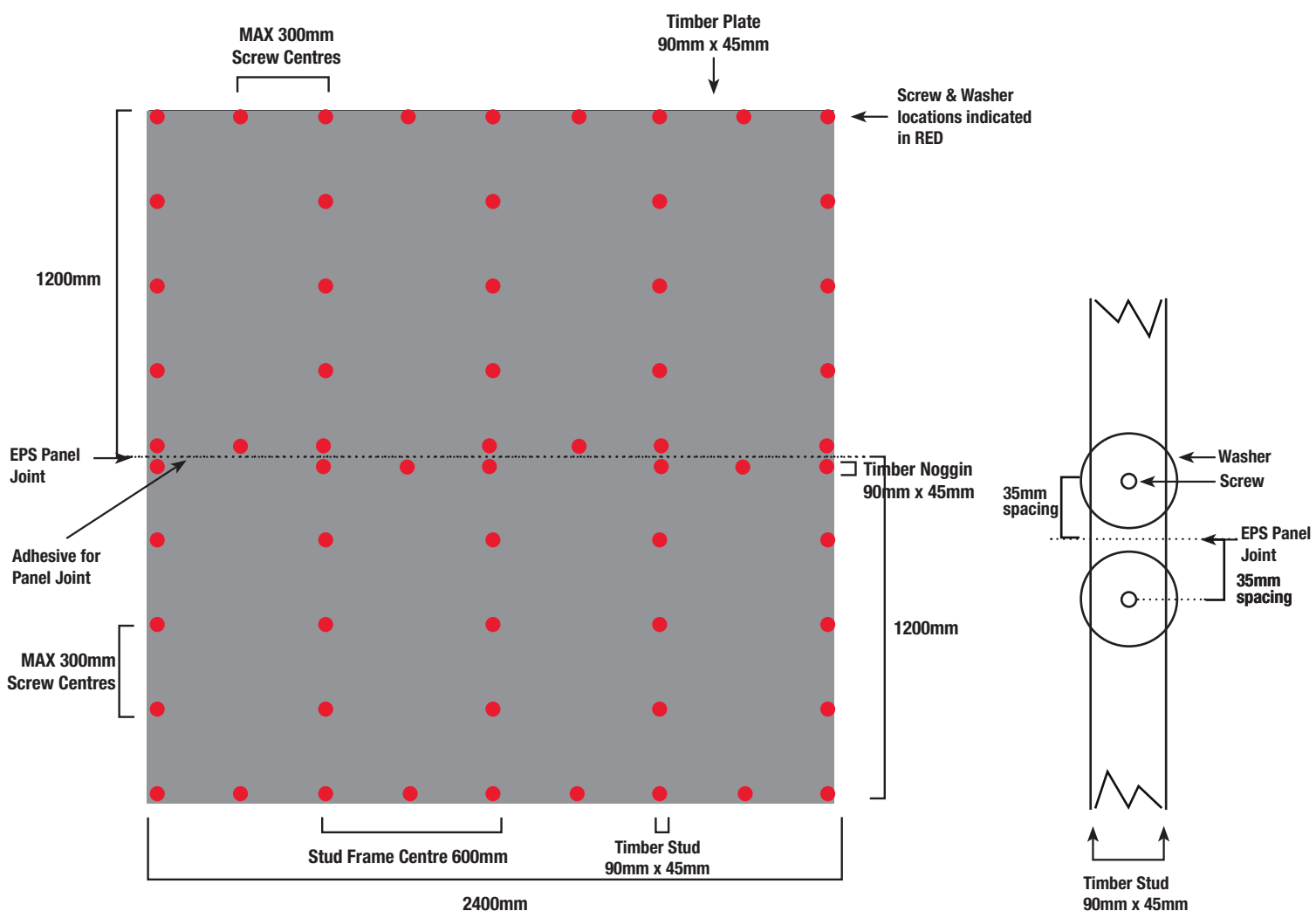
75mm & 100mm Panel & Screw Details -

600mm Stud Spacings (Wind Category N1, N2, & N3)

Number of POLYCLAD® Panel  
Fixing Screw for 600mm stud  
spacing at 300mm screw  
centres per horizontal panel  
(2400mm x 1200mm)

31

**Figure 8**

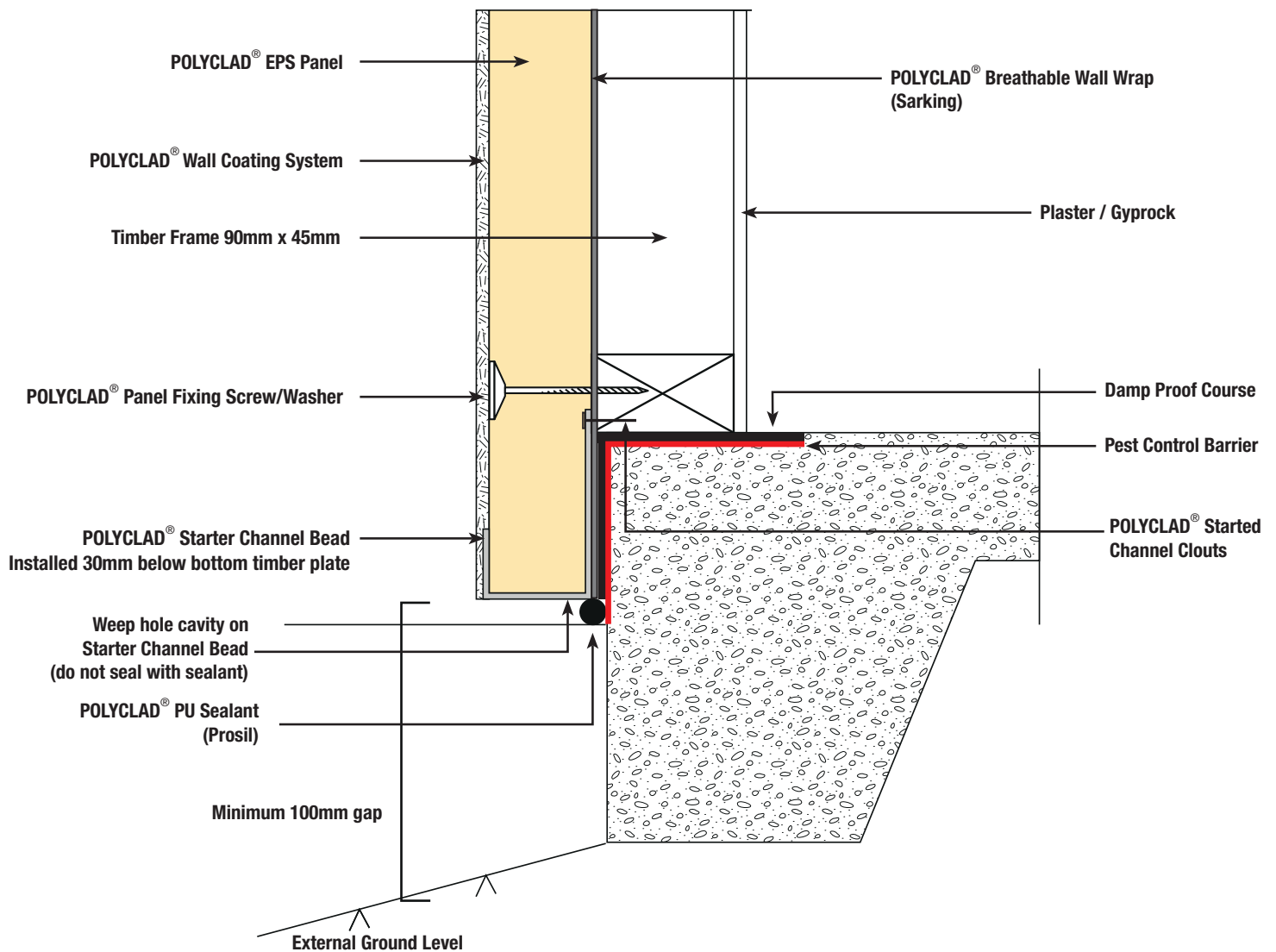


PLEASE NOTE: For 75mm & 100mm Cladding, for window openings greater than 600mm, the maximum stud spacing under and over the window should not exceed 600mm and the construction details should be as per Australian Standards and as recommended by the BCA.

# Installation & Fixing Details

## Ground Slab Edge Detail

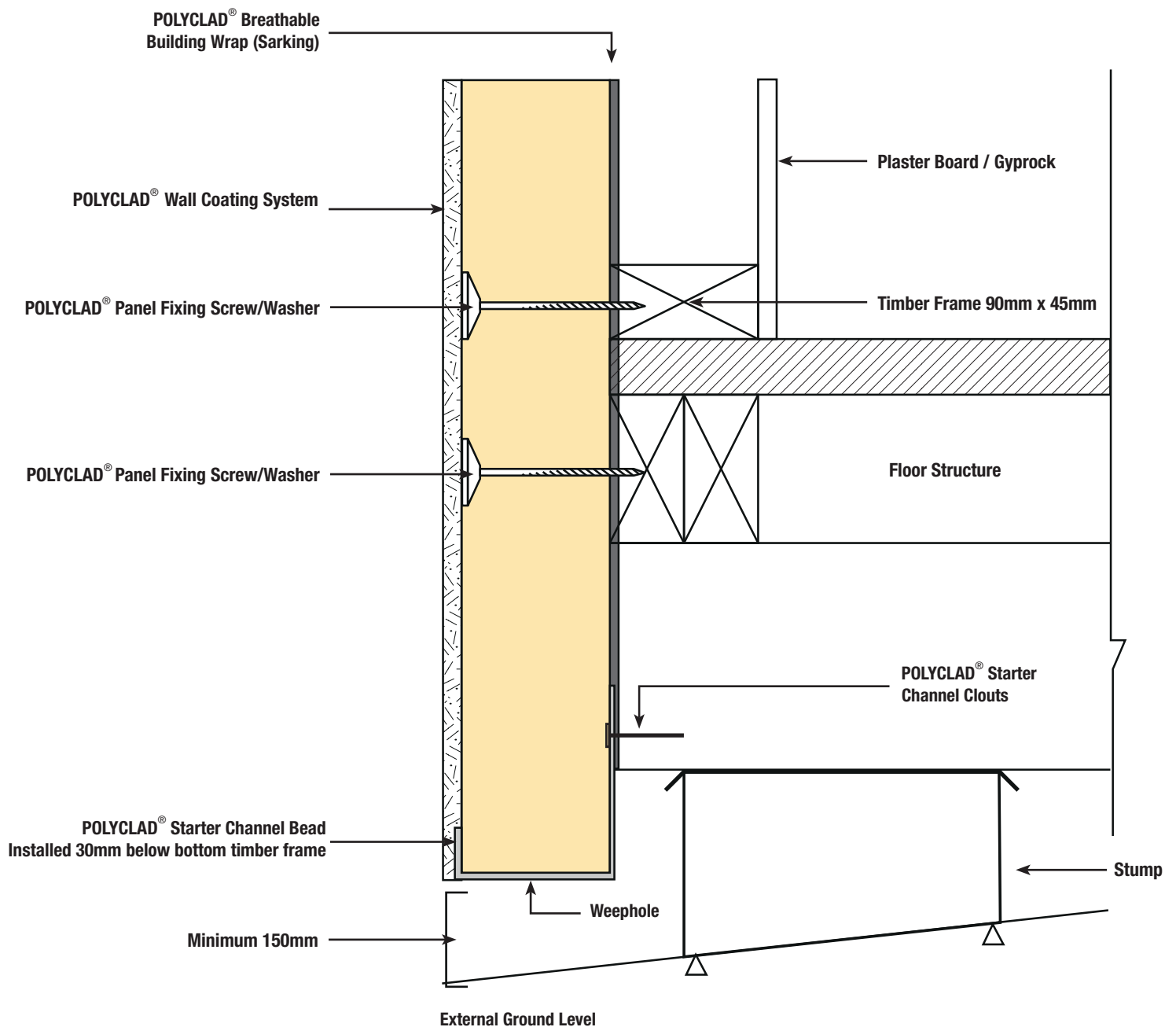
Figure 9





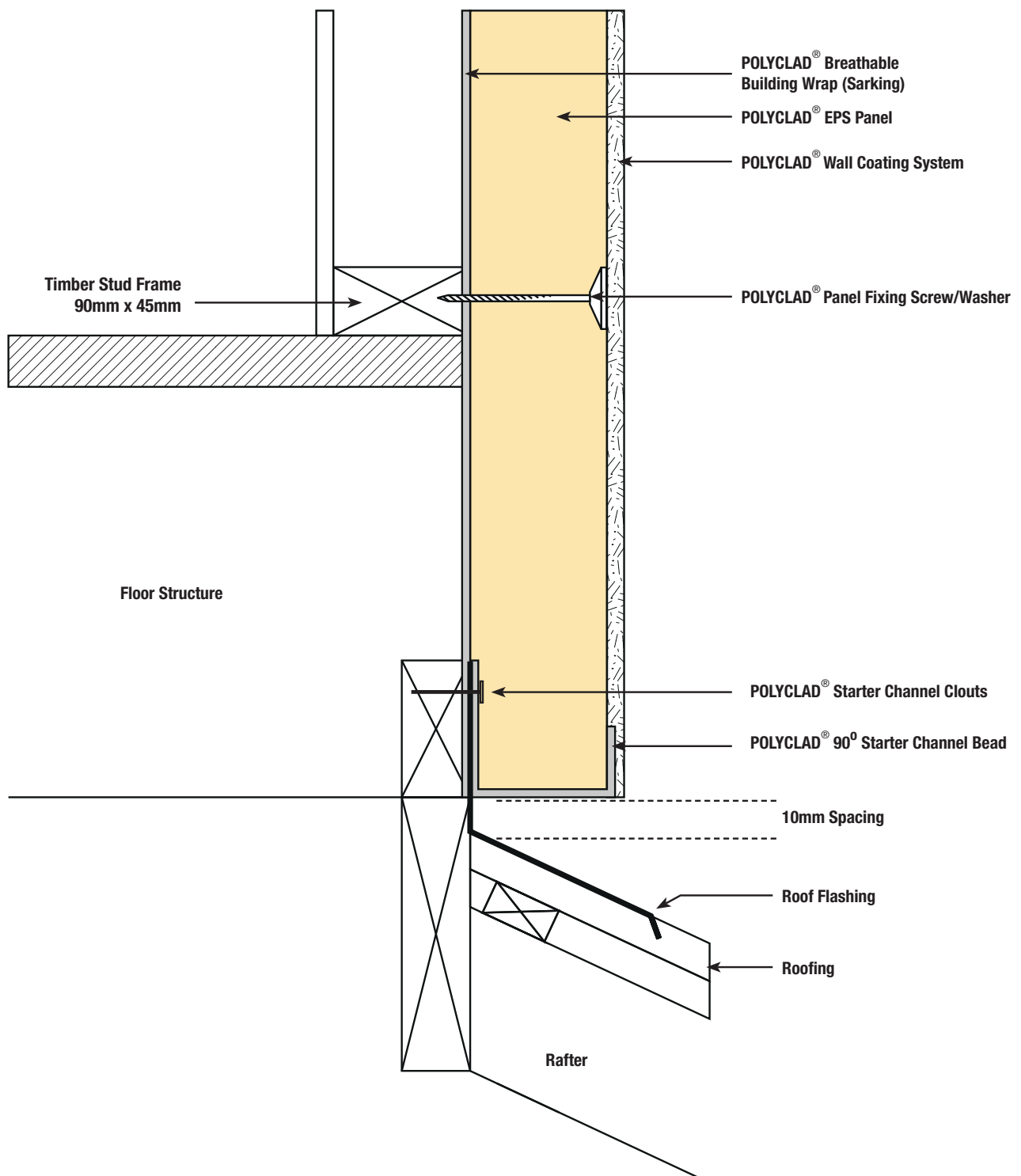
# Installation & Fixing Details

## Timber Floor Junction Detail

**Figure 10**


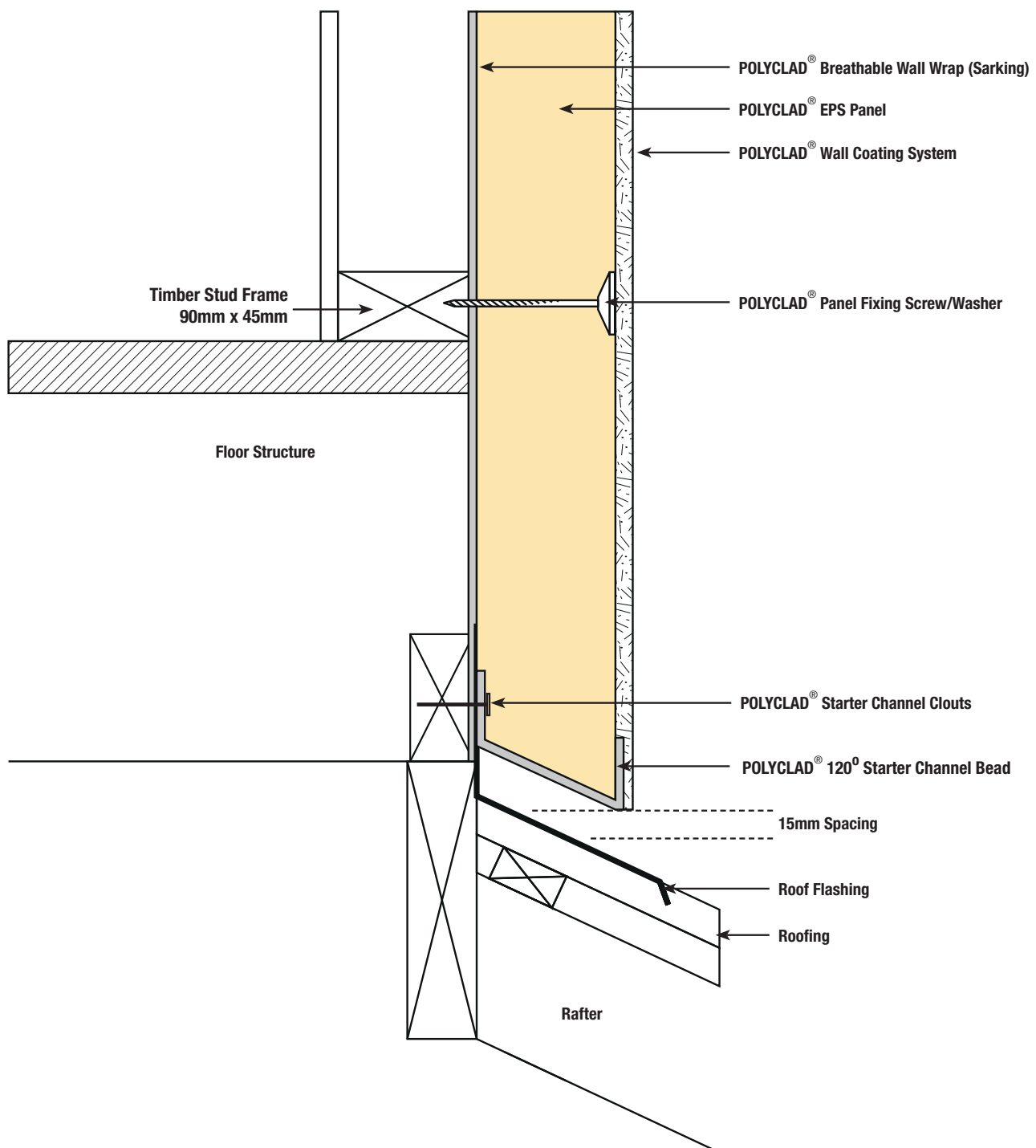
# Installation & Fixing Details

## Roof Junction Detail (Option 1)

**Figure 11**

# Installation & Fixing Details

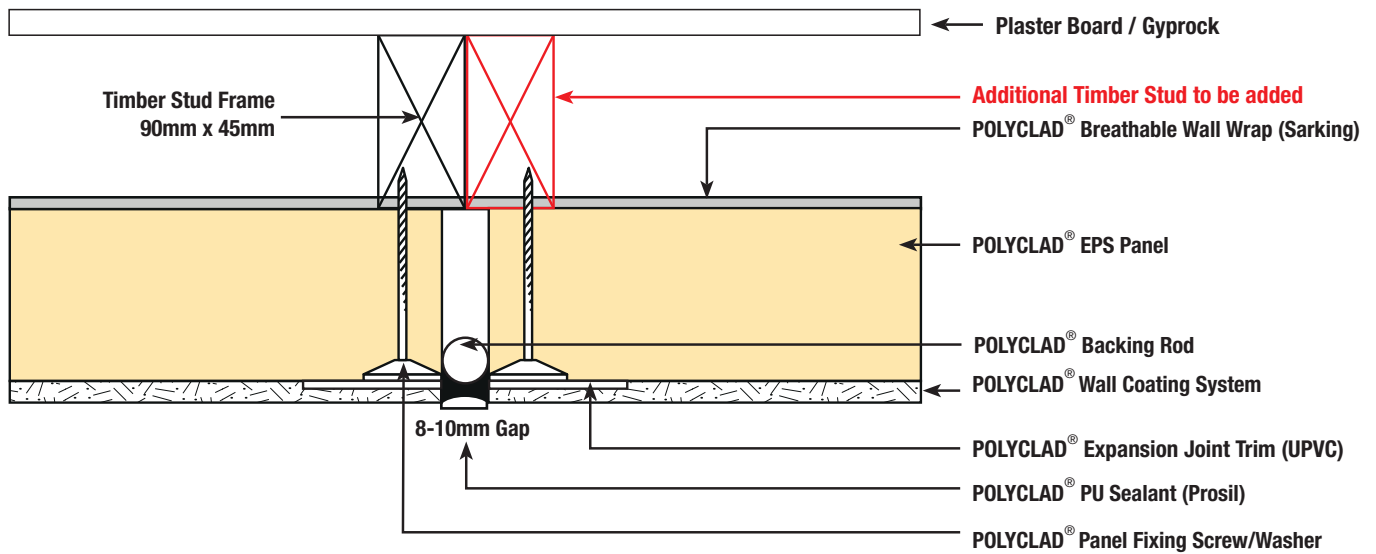
## Roof Junction Detail (Option 2)

**Figure 12**

# Installation & Fixing Details

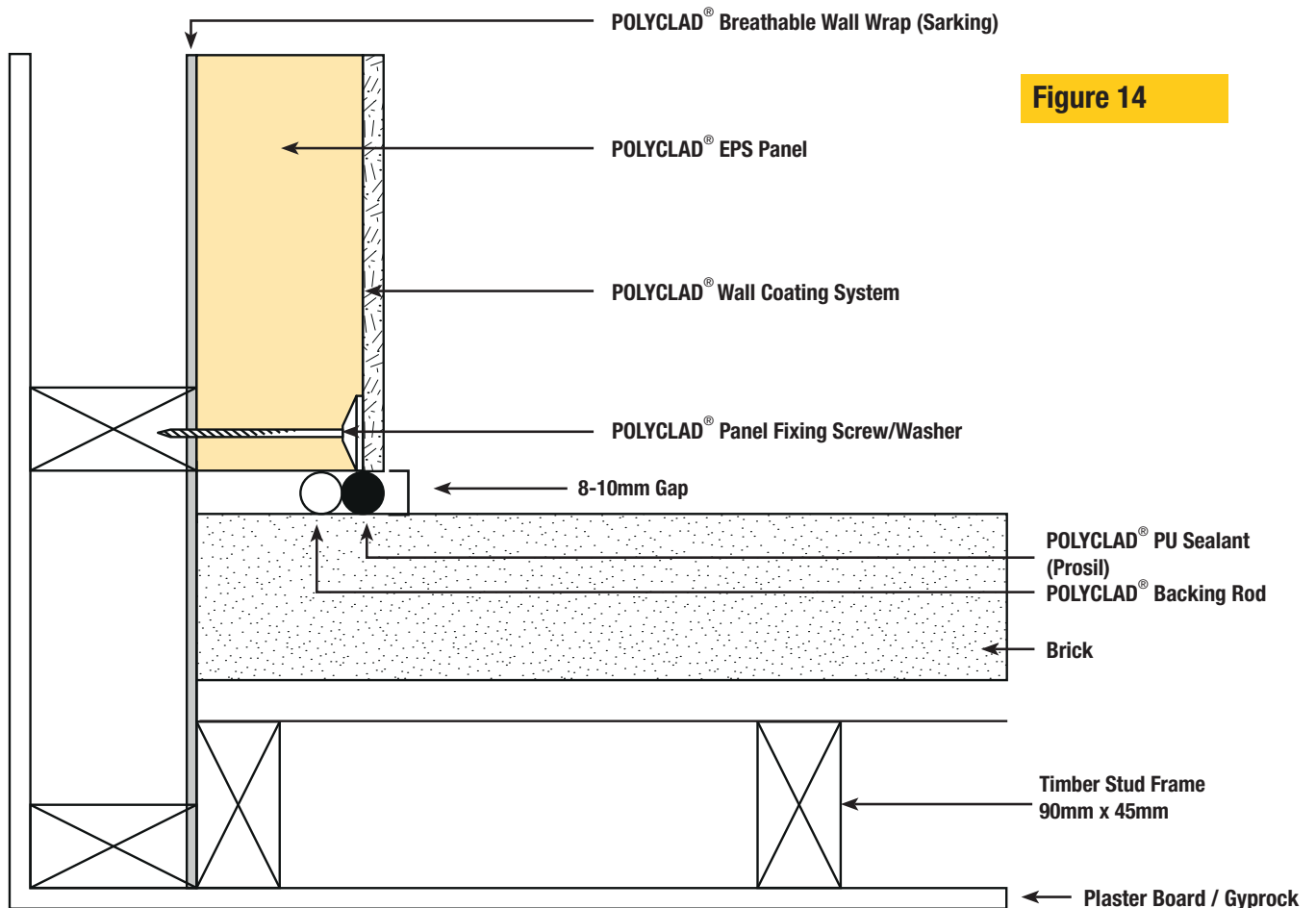
## Vertical Expansion Joint Details

Figure 13



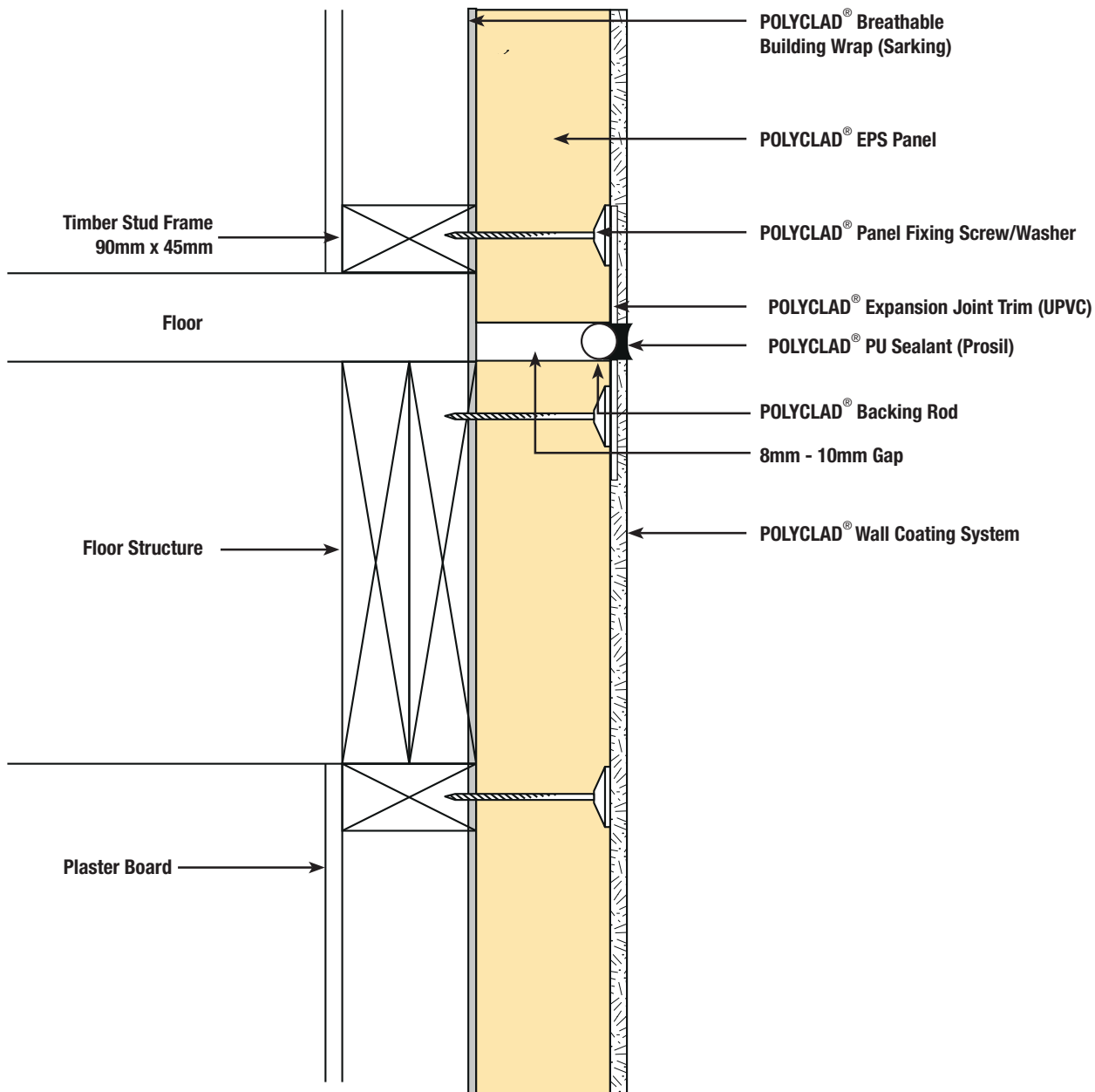
## POLYCLAD® EPS Panel to Brick Details - Vertical Joint

Figure 14



# Installation & Fixing Details

## Horizontal Expansion Joint Details

**Figure 15**


### Vertical Expansion Joint (page 25)

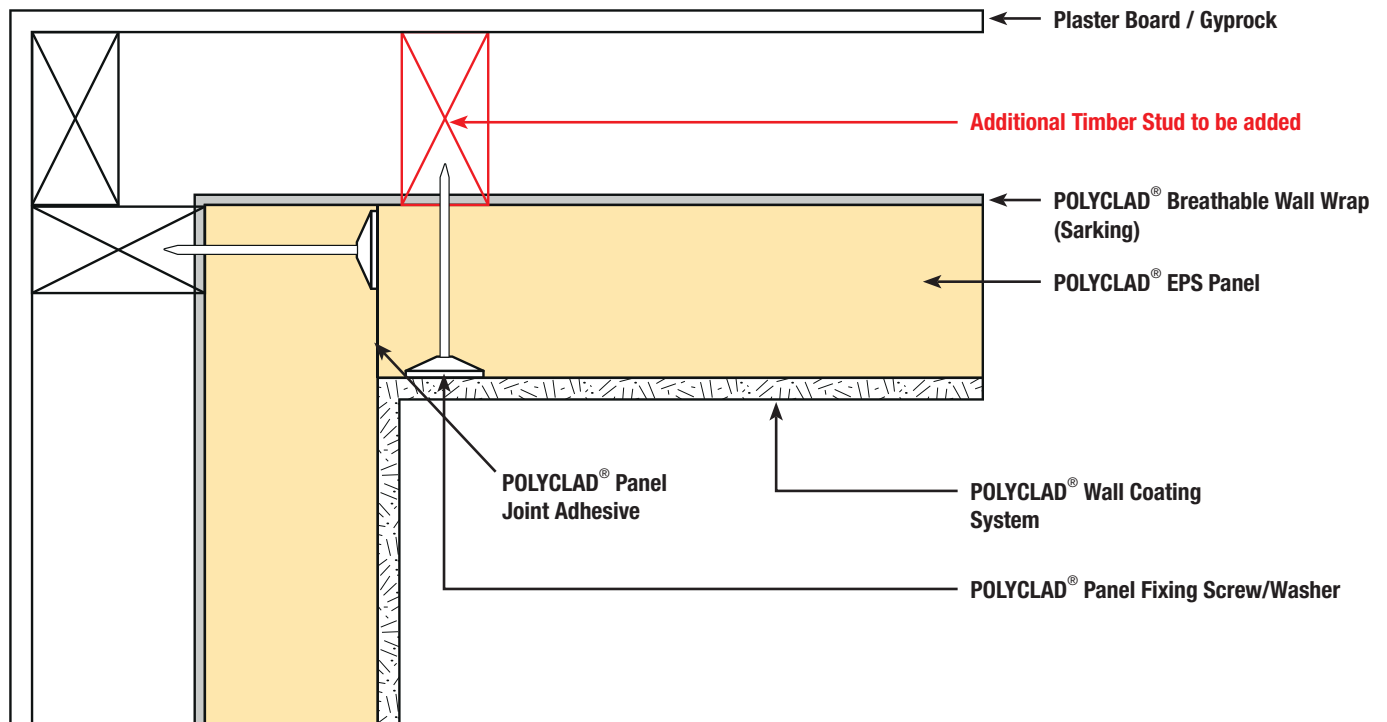
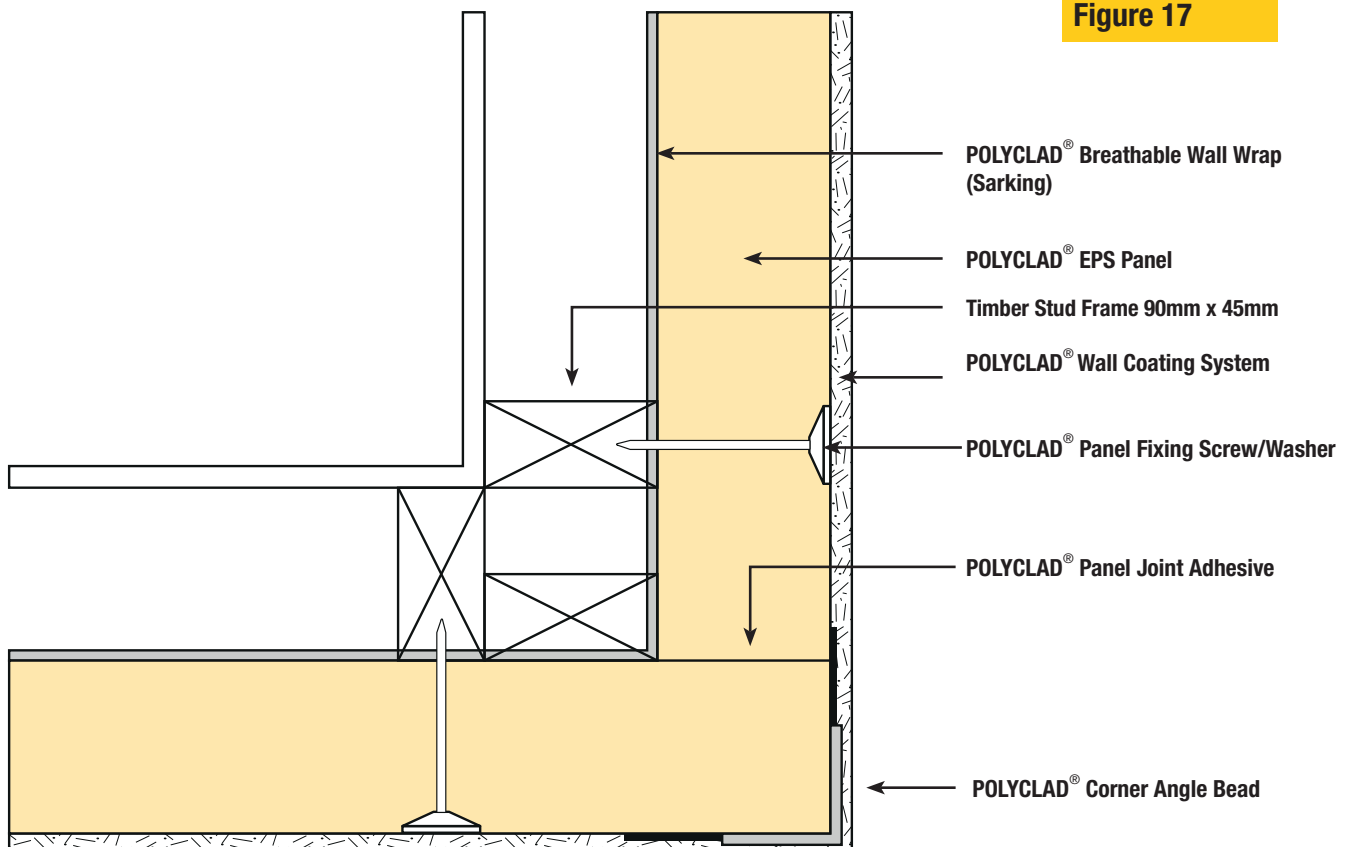
- Vertical Expansion Joints are to be approximately 5 metres.
- Insert POLYCLAD® Backing Rod into the gap.
- Fix Expansions Trims with Liquid Nails.
- Slit the Expansion Trim and fill the gap with Approved POLYCLAD® PU Sealant (PROSIL) to flush with the render surface before top coating.

### Horizontal Expansion Joint (shown above)

- Horizontal Expansion Joints are to be approximately 3 metres.
- Insert POLYCLAD® Backing Rod into the gap.
- Fix Expansions Trims with Liquid Nails.
- Slit the Expansion Trim and fill the gap with POLYCLAD® PU Sealant (Prosil) to flush with the render surface before top coating.

# Installation & Fixing Details

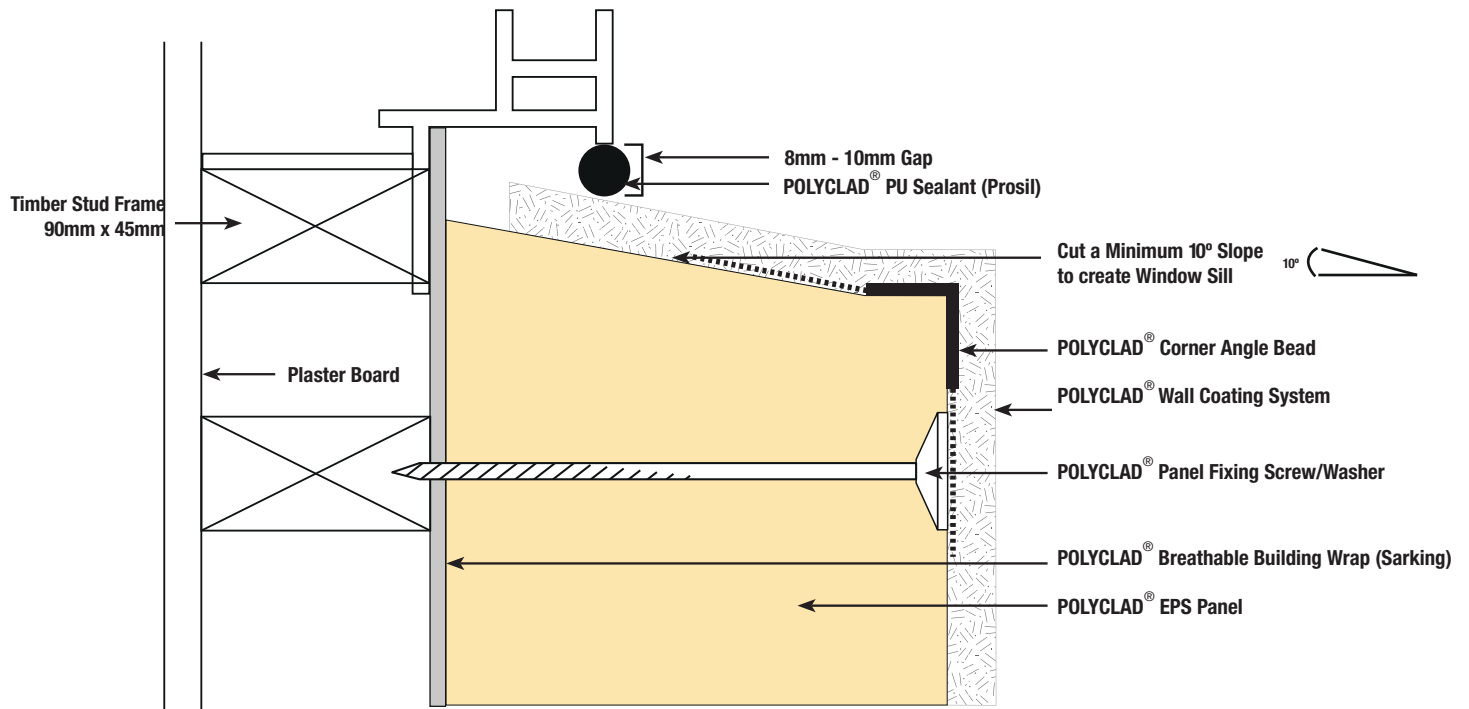
## Corner Details

**Figure 16**

**Figure 17**


# Installation & Fixing Details

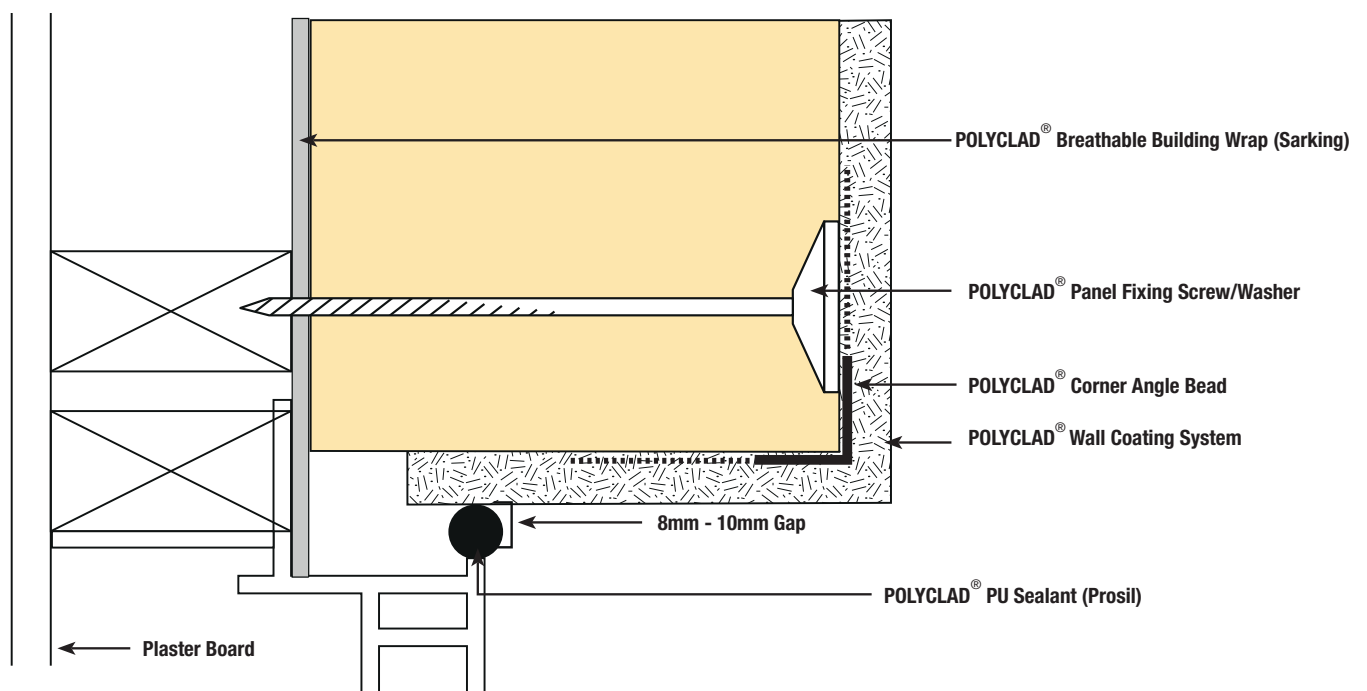
## Typical Aluminium Frame Window Sill Detail

Figure 18



## Typical Aluminium Frame Jamb Detail

Figure 19

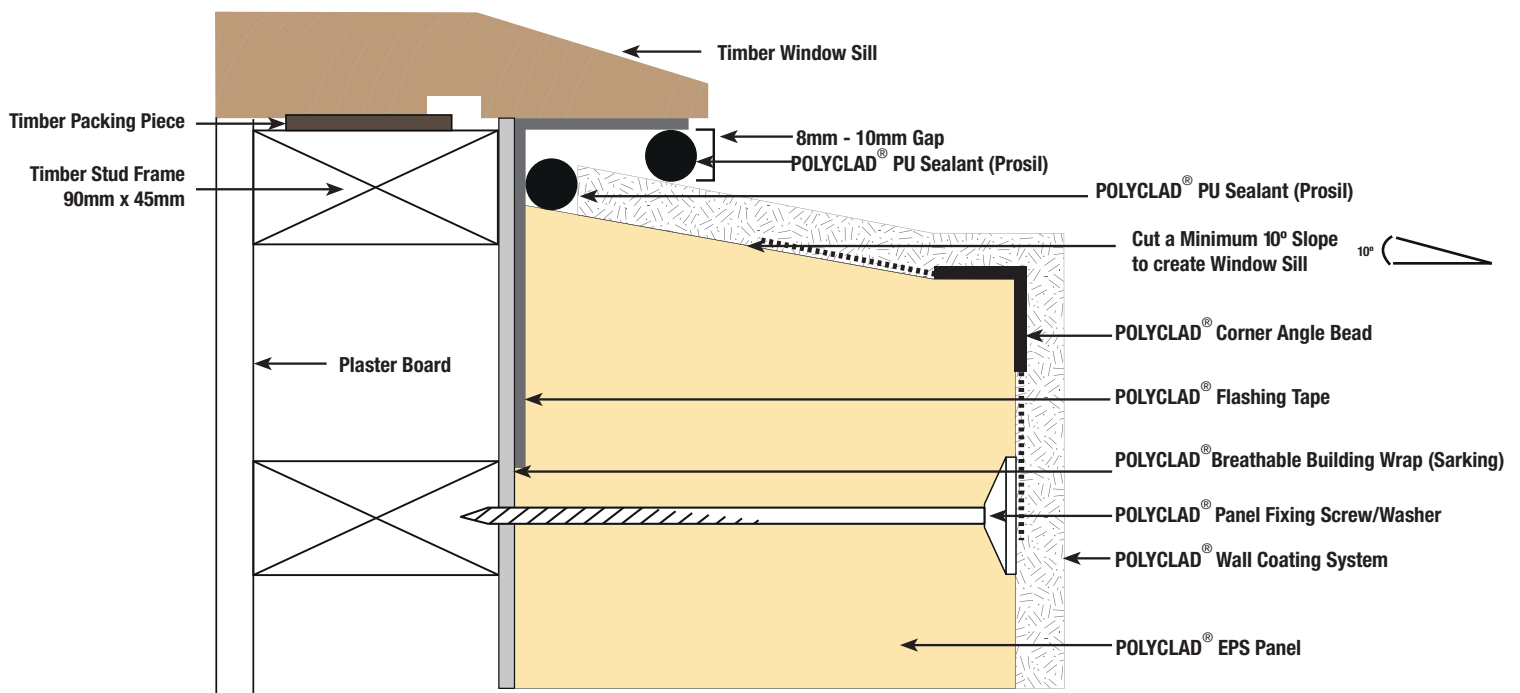




# Installation & Fixing Details

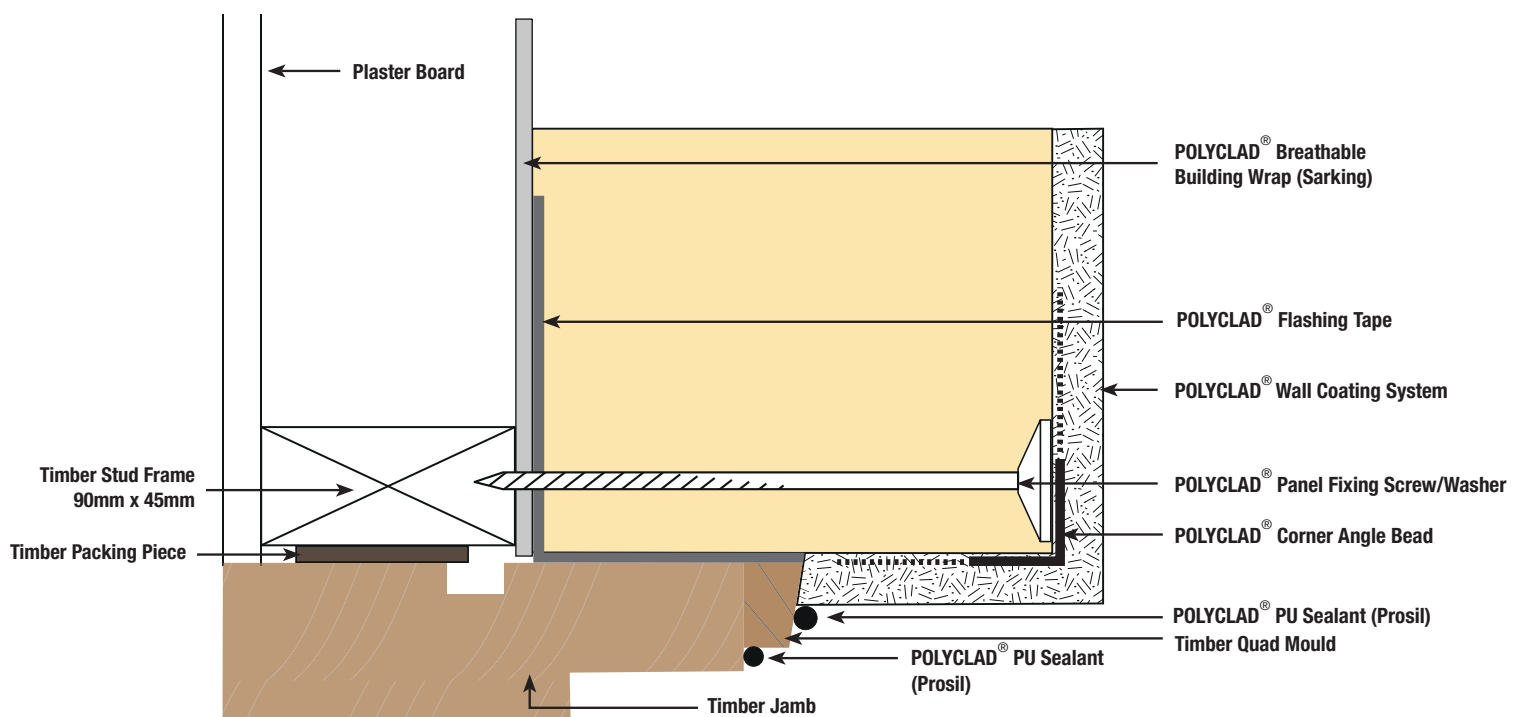
## Typical Timber Window Sill Detail

Figure 20



## Typical Timber Window and Door Jamb Detail

Figure 21

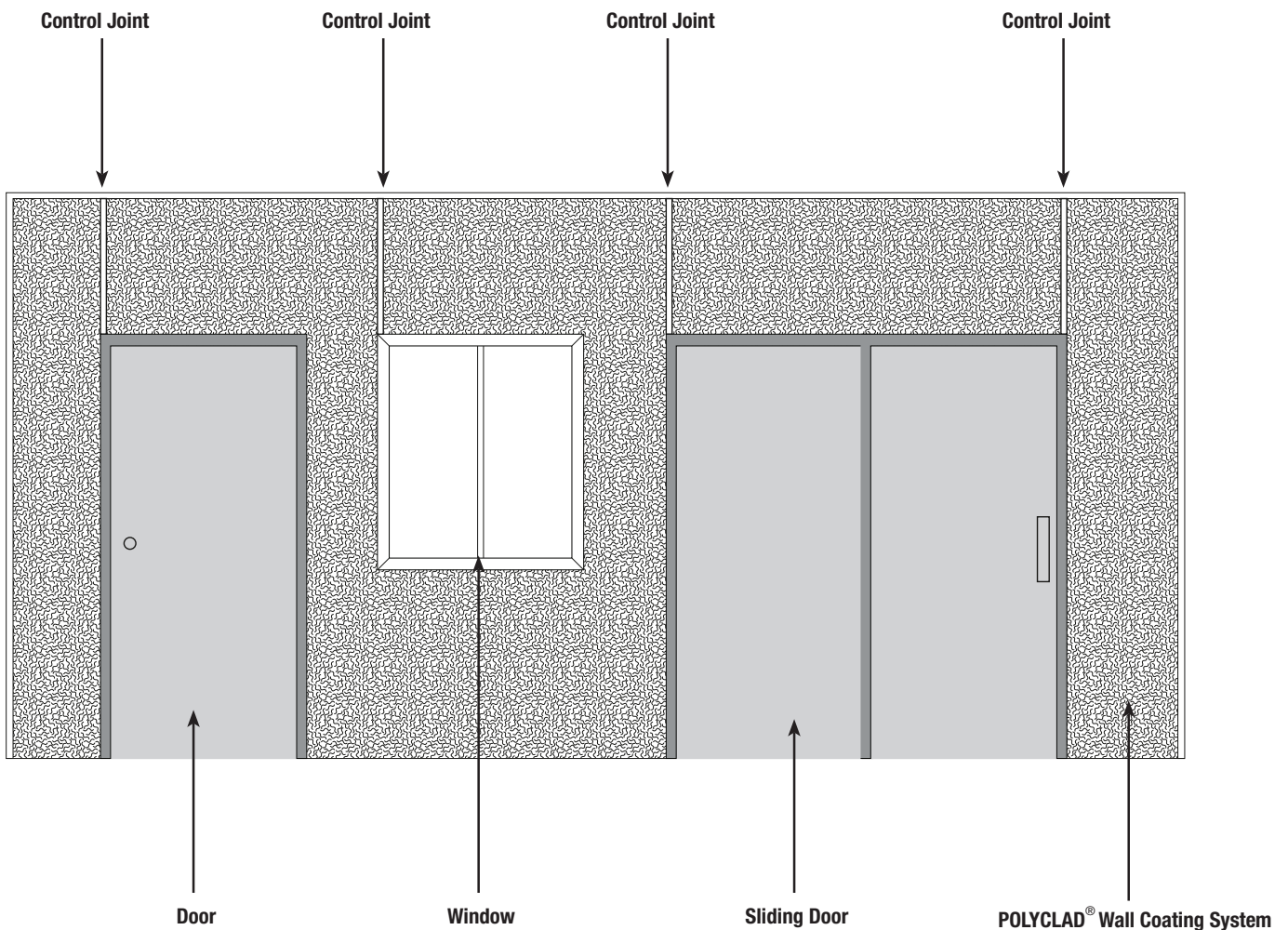


# Installation & Fixing Details

## Vertical Control Joints

**Figure 22**

After render coat, cut a minimum 5mm groove using a concrete cutting disk through the render base coat / mesh layer till POLYCLAD® EPS panel surface. Do not overcoat the joints with Texture, fill flush all control joints with POLYCLAD® PU Sealant (Prosil) and paint with Shield in required colour to match. Refer to drawing below for, sliding doors and windows.



# Installation & Fixing Details

## Eave Detail - Type 1 & 2

Figure 23

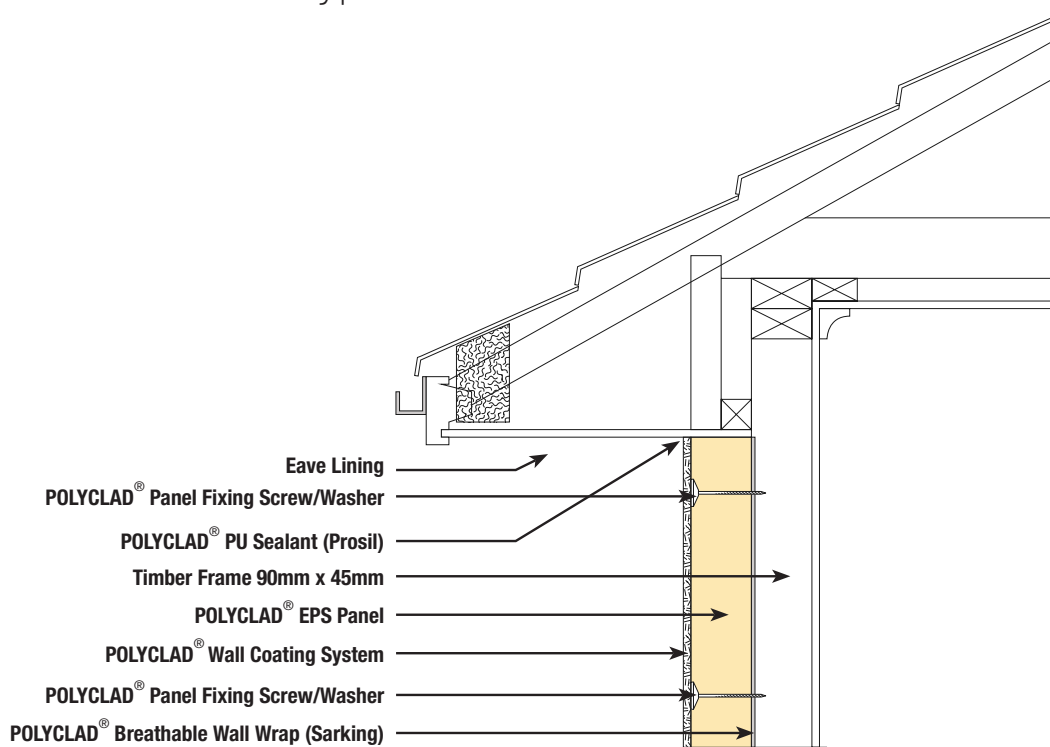
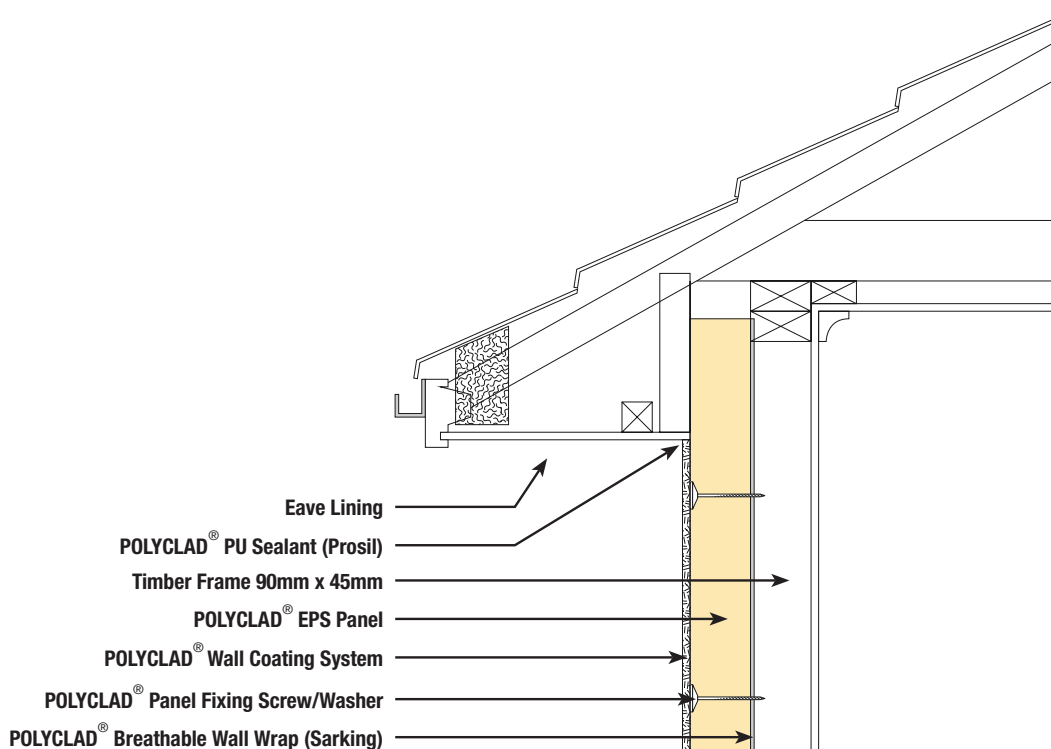


Figure 24



# Installation & Fixing Details

## Flush Eave Detail & Parapet Detail

Figure 25

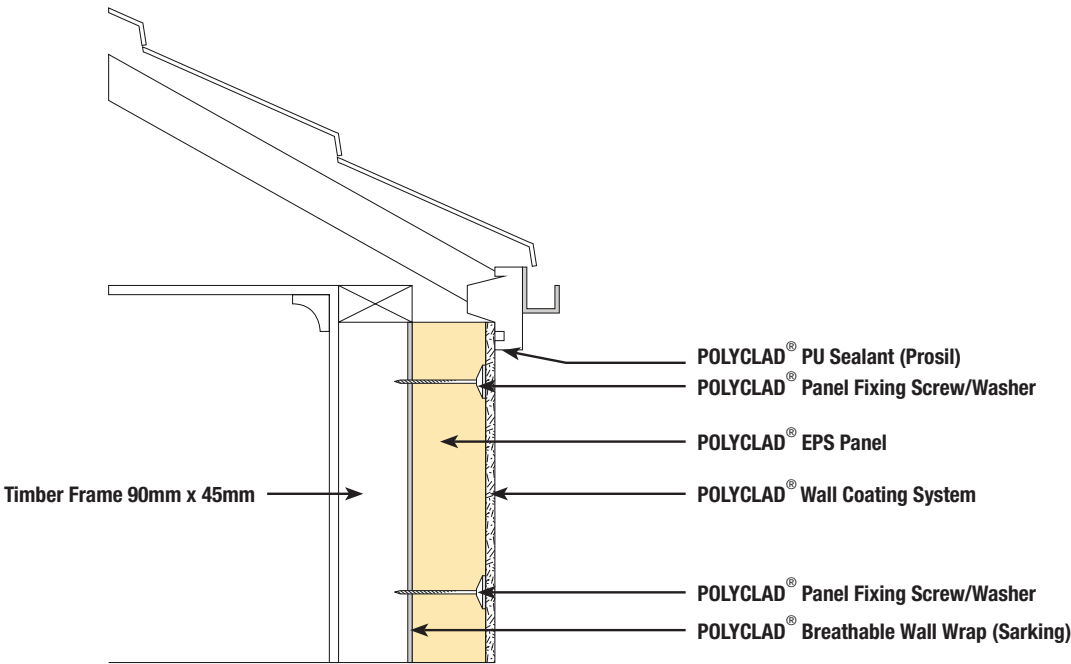
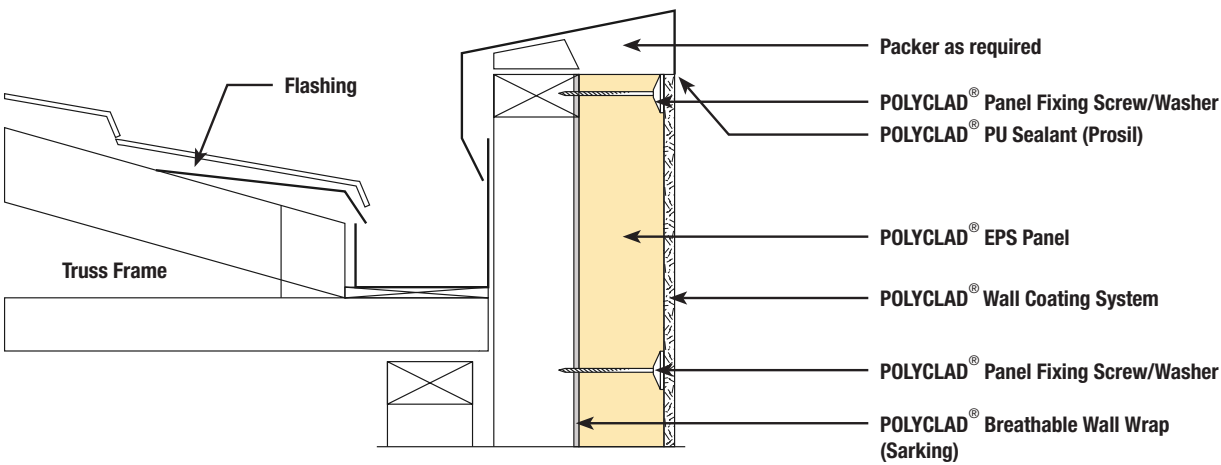


Figure 26



# POLYCLAD® Wall Coating System

## System Outline



BASE RANGE STEP 1: Strong Base Coat*	PRIMER RANGE STEP 2: Protective Primer Coat*	DECORATIVE RANGE STEP 3: Acrylic Texture Coat*	FINAL COAT RANGE STEP 4: Durable Top Coat*
<p>Forming part of the POLYCLAD® Wall Coating System POLYCLAD® EPS Render is a superior quality hi-strength cement based, polymer modified render containing washed and graded medium silica sand, acrylic powder and proprietary additives. It is easy to apply, has excellent adhesion and strength. It does not require the addition of bonding agents. POLYCLAD® Mesh is embedded wet on wet into the POLYCLAD® EPS Render. POLYCLAD® EPS Render provides the ideal base for the subsequent application of POLYCLAD® Render, Texture and Top Coatings Range. Apply a second render skim coat using POLYCLAD® EPS Render</p>	<p>Roller applied POLYCLAD® PRIMER is used as a protective undercoat primer for the POLYCLAD® Wall Coating System and is applied to the render substrate to unify the substrate porosity and reduces suction, it ensures maximum inter-coat adhesion and provides excellent key for following texture and topcoats. POLYCLAD® PRIMER can be tinted to required colour.</p>	<p>The POLYCLAD® Texture coat provides the desired look, finish, integrity, flexibility and long term durability to the entire cladding system. The trowel on textures generally is a one coat application, firstly using a steel trowel to spread evenly and secondly floating off with a plastic float. Can be colour matched to an extensive range. The roll on texture is also a one coat application, using different set of roller profiles fine, medium or a coarse finish can be obtained.</p>	<p>Roller applied POLYCLAD® Membrane Paint is recommended as the Top Coat for the system, this is a specifically designed product for exterior performance and durability, and is a protective coating for the base system configuration providing other than colour (in extensive range) flexibility, resistance to dirt pick up, resistance to atmospheric pollution, Ultra Violet, moisture ingress and salt penetration.</p>
Recommended System Products			
<p><b>Base Range:</b> 1st Coat - POLYCLAD® EPS Render POLYCLAD® Mesh 2nd Coat - POLYCLAD® EPS Render</p> <p>Coats: As Required*</p>	<p><b>Primer Range:</b> POLYCLAD® Primer</p> <p>Coats: 1</p>	<p><b>Texture Range:</b> POLYCLAD® Acrylic Trowel Texture OR Roll-On Texture</p> <p>Coats: 1</p>	<p><b>Top Coat Range:</b> POLYCLAD® Membrane Paint (OPTIONAL)</p> <p>Coats: 1</p>

\* Depending on the condition of the substrate

\* Refer to PDS & MSDS prior to application

## POLYCLAD® Wall Coating System Application Instructions

### Description

The POLYCLAD® Wall Coating System is a series of products designed for the POLYCLAD® System.

Wall Coating System Application Steps	Recommended System Products
<b>Step 1.1 - Base Coat:</b> Apply Render Base Coat (MULTIPLE COATS)	<b>Base Range:</b> 1st Coat – POLYCLAD® EPS Render + Mesh 2nd Coat – POLYCLAD® EPS Render
<b>Step 2 - Primer Coat:</b> Apply Primer (ONE COAT)	<b>Primer Range:</b> POLYCLAD® PRIMER
<b>Step 3 - Acrylic Texture Coat:</b> Apply Texture Coat (ONE COAT)	<b>Acrylic Texture Range:</b> POLYCLAD® Acrylic Texture
<b>Step 4 - Top Coat: (OPTIONAL)</b> Apply Membrane Paint (ONE COAT)	<b>Top Coat Range:</b> POLYCLAD® Membrane Paint

### Safety & Handling

Prior to application please refer to the Product Data Sheet (PDS) for comprehensive product information and Material Safety Data Sheet (MSDS) for safety information.

### Application Instructions

Installation and important requirements:

- Panel must be installed as specified in the POLYCLAD® installation & fixing section taking in view of all control joints, specified angles and fixtures etc, involved in the setting up of the wall.
- Building workmanship must comply with relevant building codes.

**Application must be carried out as per the following steps:**

## Step 1:

### Base Coat:

Multiple Coat Application – 2 coats of POLYCLAD® EPS Render.

### System Product:

POLYCLAD® EPS Render and 160 gsm 5x5mm Alkaline Resistant POLYCLAD® Mesh.

### Packing:

POLYCLAD® EPS Render: 20kg bag, Coverage/bag: 5-10 SqM/coat @ 2-4mm thickness.

- All surfaces to be rendered must be clean, sound and free from contaminants including; oil, mould release, dust, dirt, silicone, mud, grease, salt, efflorescence, animal droppings and any loose or flaking material.
- Check Panels are installed as per instructions in this POLYCLAD® manual, check Panels are prepared for rendering.
- Do not render over control joints.
- Mix one (1) 20Kg bag of POLYCLAD® EPS Render to 4 - 5 litres of clean water using a power mixer.
- Add the Dry Mix water steadily while mixing with a power stirrer until the consistency is creamy and lump free.
- Allow the mix to stand for 5 minutes, remix before use or before adjusting consistency if required.
- Apply the first base coat of POLYCLAD® EPS Render onto the panel at a thickness of @ 3-4mm using a steel trowel with enough pressure to adhere the product. Whilst the base coat is wet embed a full layer of alkaline resistant 160gm/m<sup>2</sup> (5mm x 5mm) fibreglass mesh ensuring that the mesh pieces overlap by a minimum of 100mm at mesh joints. Panel joints should be evenly covered with the same embedded mesh (avoid overlap of mesh joints near the main panel joint). Strips of mesh at 45 degree angle or equivalent, 300mm long by 200mm wide, should be embedded across the corner of all window and door openings. Level and finish of the first base coat using a polystyrene float. Refer to Figure 27 - page 35.
- On firming of the first coat (1-2Hrs set time) apply a second coat of POLYCLAD® EPS Render at a thickness of @2-4mm. On setting use a polystyrene float, finish the surface to produce an even, uniform and level surface.
- This is a two coat system and a minimum thickness of 6-7mm should be achieved. (Mesh is not required for the 2nd render coat), and float finish to achieve an even and true surface.



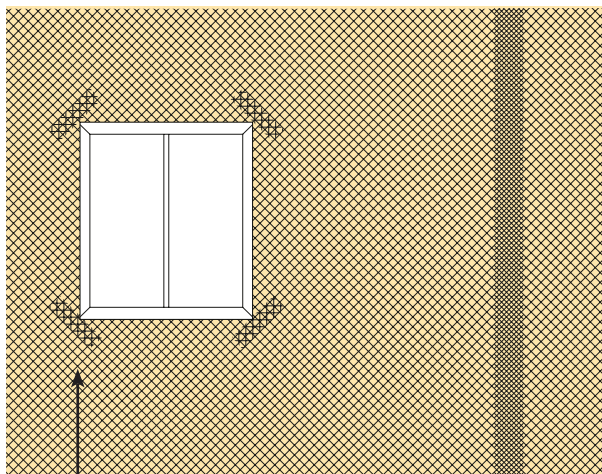
# POLYCLAD® Wall Coating System

## Important Information

- Primer/Texture/Paint coatings must not be applied to mineral coating until sufficiently hardened and dried.
- General Guide to hardening/drying for cement based Renders – allow 1 day per mm thickness (will reach maximum strength in 28 days from application).

## Mesh Reinforcing

**Figure 27**



Along with the Embedded Mesh, Embeddd a 300mm x 200mm to all openings to strengthen corners.

Minimum of a 100mm on Mesh Joint overlaps

## Step 2:

### Primer Coat:

Single coat application

### Product:

POLYCLAD® PRIMER

### Packing:

15L plastic pail, Coverage/pail: 100SqM/coat.  
(6.5 SqM/L) – WFT 75-100uM.

- The Render Coat must be primed prior to texture coating or painting to ensure good adhesion.
- Mix thoroughly with power mixer before use.
- POLYCLAD® PRIMER is applied using a 10-20mm Nap Roller, roll evenly on surface with slight pressure.
- Can be applied by brush and Airless Spray, Typical Airless Spray set up is: Graco Ultra 500 using 0.019-0.020 spray tips at approx. 1500 psi.
- Apply one coat of POLYCLAD® Primer evenly and let it dry for minimum 2 hour before top coating.

The Customer is responsible for coating performance and durability to justify POLYCLAD® System Certification.

## Step 3: - Acrylic Texture

### Texture Coat:

Single coat application - Acrylic Texture Application

### Product:

POLYCLAD® Acrylic Texture

### Packing:

15L plastic pail, Coverage/coat: refer to Product Data Sheet for Texture being applied.

- Do not texture over control joints.
- Apply the selected Trowel-On over the primed render surface; follow the application procedures as mentioned in the current version of the Product Data Sheet (PDS).
- Apply a skim coat of texture with a steel trowel along the dry and leveled rendered surface, apply 1 to 2 SqM at a time.
- Allow the material to stand for a short time, thereafter use a plastic (PP) float in a circular fashion to level and produce the desired texture effect. Application must be in a brisk uniform fashion terminating when the whole area is complete, banded by a natural break such as an expansion joint corner etc. Let the texture dry for 24 hours; there after apply one coat of Membrane Paint to ensure system durability and performance. Trowel Texture

## Step 4: - Top Coat (OPTIONAL)

### Top Coat

One coat application

### Product

POLYCLAD® Membrane Paint

### Packing

15L plastic pail, Coverage/pail: 45-65 SqM/coat  
– WFT 150-200uM

- Ensure the texture coating is completely dry, especially during winter. The textured surface must be clean and of uniform texture and appearance.
- Mix thoroughly with power mixer before use.
- Membrane may be applied by brush, roller or airless spray.
- Generally 20-30mm nap roller is used depending on the type of texture or surface being coated.
- If using a roller, apply slight pressure; roll the coating in one (1) direction only, to avoid cross masking of layers. Brush and roll at the same time to avoid picture framing.



# General Information

## Health & Safety

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 practiced. Provide supervision and training where appropriate.
- Ensure everyone on site understands and accepts their responsibilities to promote a workplace that is safe.
- Ensure that all health and safety requirements are adhered to.

Consult your authorised Workplace Health and Safety Officer for specific advice.

## Disclaimer

The information contained in this manual is presented as a guide to users of POLYCLAD® products, and while to the best of POLYCLAD® knowledge it is correct and reliable, no responsibility can be taken by the company for the applications in which POLYCLAD® products may be selected or the way in which they are used.

## Manufacturer's Comment

POLYCLAD® cannot accept responsibility for variations in colour, strength, appearance, product quality or workability etc resulting from on-site mixing procedures, weather or substrate conditions. This product has been designed as part of a totally integrated application system. Use with any other manufacturers' product(s) or failing to follow application instructions as per POLYCLAD® systems could result in detrimental effects on product performance, for which POLYCLAD® cannot be held responsible. The following warranties and guarantees will be over and above the terms and conditions indicated on sales invoice.

## Trade Warranty

A material only replacement warranty is provided on product performance only when the full complete recommended POLYCLAD® system has been applied correctly by a skilled and experienced applicator.

## Statutory Consumer Guarantees

If you acquire goods manufactured by us as a "consumer" within the meaning of the Australian Consumer Law, the following also applies. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or a 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 conferred by this Trade Warranty are in addition to other rights and remedies which may be available to you at law including under the Australian Consumer Law and this Trade Warranty does not affect, modify or exclude any such rights and remedies. To claim under this warranty, contact us by phone, mail or through our website's "contact us" facility, using the contact information printed on this container, giving details, including your contact details. Proof of purchase is required. We reserve our right to inspect the affected property at our cost. Please note, the Statutory Consumer Guarantees set out above do not apply where you acquire our goods for re-supply to someone else or for the purpose of using them up or transforming them in trade or commerce. However, our Trade Warranty will still apply in those circumstances.

## General Information

The opportunity exists to accomplish higher R Ratings through the optional thicknesses of the panel, but without the need to apply additional materials.

The finished POLYCLAD® EPS Panels are water resistant. However, a breathable, waterproof Sarking is required. If reflective insulation is needed – for example, for enhanced thermal performance, or in an attempt to achieve other construction characteristics – that material must be a breather grade. This is in order to prevent the entrapment of condensation.

## POLYCLAD® Appraisals

POLYCLAD® Building Panels have been subjected to extensive testing and comply with relevant Australian building practices.

## Reference Documents

1. Ian Bennie & Associates PTY LTD, Building Performance Testing. Test Report number 2015-12-S1.
2. Ian Bennie & Associates PTY LTD, Building Performance Testing. Test Report number 2015-12-S2.

[illegible]



