Installation Guide

ExoTec[™] Facade Panel And Fixing System

COMMERCIAL

Australia May 2019

Make sure your information is up to date.

When specifying or installing James Hardie[™] products, ensure that you have the current technical information and guides. If in doubt, or you need more information, visit www.jameshardie.com.au or Ask James Hardie[™] on 13 11 03.





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1 INTRODUCTION

James Hardie's ExoTec[™] facade panel provides a durable, expressed joint panel appearance for building facades and fascias and, together with the ExoTec[™] fixing system, offers versatility to architects and builders. A variety of design styles can be created including curved walls, panels installed upright vertically, horizontally or in a brick pattern.

A wide range of decorative finishes can be used including site-applied acrylic textures and available factory-applied polyurethane plain colours and metallic finishes.

This document is a guide only. It is intended for use by builders, cladding installers and other contractors who may be involved with the installation of the ExoTec[™] facade panel and fixing system.

This document must be read in conjunction with the project specific drawings and specifications as well as the current James Hardie ExoTec™ Facade Panel and Fixing System Technical Specification.

Both the 9mm and 12mm thick ExoTec[™] facade panels may be used in wall facades, fascias and soffits.

If you are an installer...

Ensure that you follow the design, moisture management and associated details and material selection provided by the designer. This installation manual must be read in conjunction with the ExoTec[™] Facade Panel Technical Specification.

If you are a specifier...

or other responsible party for a project, ensure the information in these specifications is appropriate for the application you are planning and that you undertake specific design and detailing for areas which fall outside the scope of these specifications.

NOTE

All dimensions shown are in millimetres unless noted otherwise. All Australian Standards referenced in this manual are current edition and must be complied with.

MADE IN AUSTRALIA

2 INSTALLATION OVERVIEW



FIGURE 1 INSTALLATION OVERVIEW

Weather Barrier

A suitable water control membrane must be installed under James Hardie™ cladding in accordance with the AS/NZS 4200.2 'Pliable building membranes and underlays – Installation' and NCC requirements.

James Hardie has tested and certified the use of HardieWrap[™] weather barrier for climate zones 2-8 within Australia. HardieWrap[™] weather barrier is a Class 4 vapour permeable membrane that delivers a tripleshield of protection to help against external weather penetration, internal condensation management and external heat penetration through its safeglare reflective layer.

If using an alternate product in lieu of HardieWrap[™] weather barrier or the project is located in a hot humid area (Climate Zone 1), the designer must ensure that the product is fit for purpose and it has the following classification in accordance with AS/NZS 4200.1:2017 'Pliable building membranes and underlays – Materials':

WEATHER BARRIER CLASSIFICATION					
Climate Zones	Water Barrier	Vapour Permeance			
2-8	Llink	Vapour permeable (Class 3 or 4)			
1	High	Vapour Barrier (Class 1 or 2)			

Soft compressible insulation installed between the front of the wall studs and directly behind the external cladding can cause installation issues and is thus not recommended.

Thermal Break

For steel frames, the National Construction Code sections J1.5 and 3.12.1 Volumes 1 and 2 respectively, state for both residential and commercial buildings, a thermal break with an R 0.2m² K/W must be installed behind external cladding where the cladding and internal lining make direct contact with the same steel frame. For information relating to the suitability of James Hardie's HardieBreak[™] thermal strip, refer to the HardieBreak[™] Installation Guide at www.jameshardie.com.au.

3 PRODUCT INFORMATION

EXOTEC[™] FACADE PANEL INFORMATION PRODUCT DESCRIPTION QUANTITY / SIZE (NOMINAL) ExoTec[™] facade panel Width Thickness Lengths Dense compressed panel. Square edge. Factory sealed on all six sides. 1800, 2400, 3000 9mm 900mm Each panel has a distinctive white face, which accepts a wide range of paint 1200mm 1800,2100 finishes. The panel must be installed with the white side facing the exterior of 2400, 2700, 3000 the structure. Nom. density: 1550kg/m³ 12mm 1200mm 2400.3000

NOTE: Not all combinations of thicknesses, width and length are available ex stock, but are available to order. Check with James Hardie for availability of panel sizes.

PRODUCT / ACCE	ESSORIES / TOOLS SUPPLIED BY JAMES HARDIE	
ACCESSORIES	DESCRIPTION	QUANTITY/SIZE (APPROX)
	ExoTec [™] Top Hat A rolled metal section, for use with ExoTec [™] façade panel and fixing system, designed to span vertically across the building structure to support façade panels and isolate differential movement of the panels from those of the structure. 124mm wide x 35mm deep x 0.75mm gauge thick. (Approximately)	45 per pack 6,000mm (305948) 7,200mm (305947)
	James Hardie™ Intermediate Top Hat A metal top hat installed vertically for use with ExoTec™ and ComTex® façade panel and fixing system, for intermediate sheet support. 50mm wide face x 35mm deep x 0.75mm gauge thick. (Approximately)	50 per pack 6,000mm (305950) 7,200mm (305949)
	ExoTec [™] Gasket Snap Strip. 3,620mm long For use with the ExoTec [™] façade panel and fixing system, this gasket snap strip is specially designed to clip into the ExoTec [™] Top Hat at vertical façade panel joins to cover fixings to the structure and to provide an initial weather seal and drainage using a neoprene gasket.	10 per pack (305556)
$\langle \rangle$	James Hardie [™] Backing Strip.1,190mm, 2390mm, 2990mm A weather seal at horizontal panel joints for use with ExoTec [™] façade panel and fixing system and Scyon [™] Matrix [™] cladding.	10 per pack 1,190mm (305557) 2,390mm (305558) 2,990mm (305559)
	James Hardie [™] Façade Washers Façade washers used for exposed fastener fixing with ExoTec [™] façade panel and fixing system and Scyon [™] Matrix [™] cladding.	1000 per bag (305565)
9	James Hardie [™] Base Coat. 4kg tub, 15kg bag A water-resistant base coat compound used to finish over countersunk fasteners with epoxy.	4 per box - 4kg, 1 each - 15kg 4kg tub (305535) 15kg bag (305591)
5	James Hardie [™] Joint Sealant, 300mL cartridge A general purpose, paintable, exterior grade polyurethane joint sealant.	20 per box (305534)
	HardieBreak [™] thermal strip A building code requirement that is installed behind James Hardie [™] external cladding over metal framing and HardieWrap [™] weather barrier. Refer to HardieBreak [™] thermal strip installation guide. Unit size 43 x 12 x 2750mm.	45 per pack (305612)
	HardieWrap [™] weather barrier A non-perforated, highly breathable and reflective safe-glare weather barrier designed to be used behind ExoTec [™] facade panel and fixing system to help protect the building. Unit size 2750mm x 30000mm.	1 Each (305664)
	HardieEdge [™] Trim An architectural slab edge solution fabricated from high-quality powder coated aluminium. Base Trim Unit size: 3950mm. 4 per pack. See right for all HardieEdge [™] components:	Base Trim4 per pack.(305911Base Trim Jointer12 per pack.(305912Internal Corner12 per pack.(305913)External Corner12 per pack.(305914)
TOOLS		
	HardieBlade [™] Saw Blade. 185mm diameter A 185mm diameter poly-diamond blade for fast and clean cutting of James Hardie [™] fibre cement.	1 Each (300660)

PRODUCT / ACCESSORIES / TOOLS NOT SUPPLIED BY JAMES HARDIE

James Hardie recommends the following products for use in conjunction with ExoTecTM facade system. James Hardie does not supply these products and does not provide a warranty for their use. Please contact the component manufacturer for information on their warranties and further information on their products. ACCESSORIES DESCRIPTION ACCESSORIES DESCRIPTION Miscellaneous light gauge pressed metal section Epoxy flush sealing (2 part) Sections 1mm minimum to 1.2mm maximum corrosion Countersunk head screws are flush sealed using resistant metal. Used in internal and external corner details. Megapoxy P1. Bond breaker tape Flexible tape Used when filling vertical joints to prevent sealant from A flexible self-adhesive tape used in preparation of a bonding to top hat. Refer to the ExoTec™ Facade Panel window. Refer to the window installation section in this and Fixing System Technical Specification for suitable sealant. Guide for more information. Cordless drill Base coat applicator Recommended tool for drilling holes and fastening screws. A recommended method of applying James Hardie[™] base coat over epoxy filled countersunk screw heads. This method minimises waste. Base coat is easily sanded by comparison to epoxy fillers. Countersunk head drill 6mm masonry drill 655 1:11 6mm countersunk bit. Provides a 6.2mm to 6.3mm diameter hole. Used to pre-drill clearance holes for fasteners. FASTENERS Countersunk fasteners Exposed head fasteners (F) (huuuun) (F) No. 10x30 countersunk head self drilling screws - Class 3 No. 10x25mm pan, wafer or hex head self drilling screws Class 3 Minimum coating. minimum coating.

4 SAFE WORKING PRACTICES

WARNING - DO NOT BREATHE DUST AND CUT ONLY IN WELL VENTILATED AREA

James Hardie[™] products contain sand, a source of respirable crystalline silica which is considered by some international authorities to be a cause of cancer from some occupational sources. Breathing excessive amounts of respirable silica dust can also cause a disabling and potentially fatal lung disease called silicosis, and has been linked with other diseases. Some studies suggest smoking may increase these risks. During installation or handling: (1) work in outdoor areas with ample ventilation; (2) minimise dust when cutting by using either 'score and snap' knife, fibre cement shears or, where not feasible, use a HardieBlade™ Saw Blade (or equivalent) and dust-reducing circular saw attached to an appropriate, well maintained, filtered vacuum; (3) warn others in the immediate area to avoid breathing dust; (4) wear a properly-fitted, approved dust mask or respirator (e.g. P1 or P2) in accordance with applicable government regulations and manufacturer instructions to further limit respirable silica exposures. During clean-up use a vacuum and filter, both of which are well maintained and appropriate for capturing fine (respirable) dust. Alternatively, use wet clean-up methods - never dry sweep. For further information, refer to our installation instructions and Safety Data Sheets available at www.jameshardie.com.au. FAILURE TO ADHERE TO OUR WARNINGS, SAFETY DATA SHEETS, AND INSTALLATION INSTRUCTIONS MAY LEAD TO SERIOUS PERSONAL INJURY OR DEATH.

JAMES HARDIE RECOMMENDED SAFE WORKING PRACTICES

CUTTING OUTDOORS

- 1. Position cutting station so wind will blow dust away from the user or others in working area.
- Position the cutting station in a well-ventilated area. Use a dust reducing circular saw equipped with HardieBlade[™] Saw Blade or comparable fibre cement blade and well maintained vacuum and filter appropriate for capturing fine (respirable) dust.

CUTTING INDOORS

- Cut only using score and snap, hand guillotine or fibreshears (manual, electric or pneumatic).
- Position cutting station in a well-ventilated area.

DRILLING/OTHER MACHINING

When drilling or machining you should always wear a P1 or P2 dust mask and warn others in the immediate area.

IMPORTANT NOTES

- For maximum protection (lowest respirable dust production) James Hardie recommends always using best practice cutting methods where feasible.
- 2. NEVER use a power saw indoors.
- ALWAYS use a circular saw blade that carries the HardieBlade[™] logo or is of at least comparable performance.
- NEVER dry sweep Use wet suppression or appropriate vacuum and filter
- 5. NEVER use grinders.
- 6. ALWAYS follow tool manufacturers' safety recommendations.

DUST MASKS AND RESPIRATORS

James Hardie recommends the use of P2 respirators as best practice. As a minimum, an AS/NZS1716 P1 respirator must be used when doing any activity that may create dust. For more extensive guidance and options for selecting respirators for workplaces please refer to Australian/New Zealand Standard 1715:2009 "Selection, Use and Maintenance of Respiratory Protective Equipment".

P1 or P2 respirators should be used in conjunction with the above cutting practices to minimise dust exposure. For further information, refer to Safety Data Sheet (SDS) available at www.jameshardie.com.au. If concern still exists about exposure levels or you do not comply with the above practices, you should always consult a qualified industrial hygienist or contact James Hardie for further information.

WORKING INSTRUCTIONS

Refer to recommended safe working practices before starting any cutting or machining of product.

HardieBlade[™] Saw Blade

The HardieBlade[™] Saw Blade used with a dust-reducing saw is ideal for fast, clean cutting of James Hardie[™] fibre cement products. A dust-reducing saw uses a dust deflector or a dust collector which can be connected to a vacuum system. When sawing, clamp a straight-edge to the sheet as a guide and run the saw base plate along the straight edge when making the cut.



HOLE-FORMING

- For smooth clean cut circular holes:
- Mark the centre of the hole on the sheet.
- Pre-drill a pilot hole.
- Using the pilot hole as a guide, cut the hole to the appropriate diameter with a hole saw fitted to a heavy duty electric drill.

For irregular holes:

- Small rectangular or circular holes can be cut by drilling a series of small holes around the perimeter of the hole then tapping out the waste piece from the sheet face.
- Tap carefully to avoid damage to sheets, ensuring the sheet edges are properly supported.



STORAGE AND HANDLING

To avoid damage, all James Hardie[™] building products should be stored with edges and corners of the sheets protected from chipping.

James Hardie[™] building products must be installed in a dry state and protected from rain during transport and storage. The product must be laid flat under cover on a smooth level surface clear of the ground to avoid exposure to water, moisture, etc.

QUALITY

James Hardie conducts stringent quality checks to ensure any product manufactured falls within our quality spectrum. It is the responsibility of the builder to ensure the product meets aesthetic requirements before installation. James Hardie will not be responsible for rectifying obvious aesthetic surface variations following installation.

5 PREPARATION

Prior to installation of the ExoTec[™] facade panel and fixing system ensure that the required preparation steps have been followed, see Figure 2



FIGURE 2 PREPARATION OF SUB-STRUCTURE

NOTES

- For high walls it may be necessary to provide flashing to drain the facade at one or more intermediate levels.
 The installation of any barrier must not restrict moisture from reach.
 - The installation of any barrier must not restrict moisture from reaching flashings and draining out.
- The engineer must limit the deflection of the supporting structure to span/250 for serviceability Wind Load. See Clause 2.6 of the ExoTec[™] Facade Panel and Fixing System Technical Specification.

6 PANEL AND TOP HAT LAYOUT

The ExoTec[™] facade panel can be installed upright horizontally or vertically. The panel layout will determine the location of the ExoTec[™] and intermediate JH top hats, see Figures 3 to 6. The vertical expressed joints may be aligned or offset in a brick pattern layout.

KEY

TH: ExoTec[™] top hat INT: Intermediate JH top hat



FIGURE 3 VERTICAL LAYOUT ALIGNED GRID PATTERN





FIGURE 5 HORIZONTAL LAYOUT ALIGNED GRID PATTERN



FIGURE 6 VERTICAL LAYOUT BRICK GRID PATTERN

7 INSTALLATION

TOP HAT INSTALLATION

ExoTec[™] facade panels must be fixed to:

- 1) ExoTec[™] top hat for vertical sheet joints.
- Intermediate JH top hat for supporting the panels between vertical sheet joints.

The top hats must be installed vertically over steel, masonry or timber structures, see Figure 7. The top hat fixing to the structure must be as per the engineer's detail.



FIGURE 7 TOP HAT INSTALLATION

PANEL INSTALLATION

Panels are installed with a 10mm nominal expressed joint between adjacent panels, vertically and horizontally. Vertical joints up to 20mm width can be formed, with additional care required at installation to ensure the panel edges cover the ExoTec[™] gasket snap strip on both sides of the joint. A minimum vertical expressed joint of 6mm is allowed with care. Horizontal joints are a nominal 10mm.

NOTE

When applying sealant to the edge of the ExoTec[™] facade panel, refer to page 13 for recommended sealants.



FIGURE 8 TYPICAL PANEL AND FRAMING LAYOUT



FIGURE 9 TOP HAT AND PANEL FIXING DETAIL

FASTENING METHODS

Panels may be fixed to ExoTec[™] top hats and intermediate JH top hats by either:

- 1. **Countersunk fasteners:** flush finished over screw heads with a suitable epoxy, and then with James Hardie[™] base coat. Generally used with site-applied acrylic coatings.
- 2. **Exposed head screws:** using pan, wafer or hex head screws. Used where pre-finished panels are installed. Exposed head fasteners may be colour coated to match panel finish.

Fasteners must have the appropriate level of durability required for the intended project. This is of particular importance in coastal areas, subject to salt spray and other corrosive environments.

Fasteners must be fully compatible with all other materials that the fasteners will come in contact with, to ensure the durability and integrity of assembly.

See Tables 3 and 4, for maximum fastener spacings to top hats for design wind pressure in the current ExoTec[™] Facade Panel and Fixing System Technical Specification.

Contact fastener manufacturers for more information.

Countersunk Fasteners

- 1. Mark fastener locations as specified, see Figure 8.
- 2. Drill clearance holes into ExoTec[™] facade panel, for No.10 gauge screws using a 6mm countersunk masonry drill, which provides a 6.2 to 6.3mm diameter hole, see Figure 10. Countersink hole to a depth of 2.5mm to 3mm. This is measured from the top of the screw to the top of the sheet, see Figure 15.



FIGURE 10 DRILL COUNTERSINK HOLE

NOTE

Do not use hammer action.

- Fasten panel into top hat with corrosion resistant (Class 3 min.) No. 10 gauge x 30mm countersunk head self drilling fasteners. For areas within a corrosive environment refer to fastener manufacturer for suitability and compatibility of fasteners.
- 4. Clean dust out of holes to ensure adhesion of epoxy sealer.
- 5. Mix only sufficient epoxy for immediate use. James Hardie recommends the use of Megapoxy P1.
- Cover countersink fastener with epoxy leveled flush with sheet. To accommodate for second coat do not overfill hole. Allow epoxy to cure.



FIGURE 11 COVER COUNTERSINK FASTENER WITH EPOXY

 Apply James Hardie[™] base coat over epoxy using the base coat applicator. See Figures 12, 13, and 14.



FIGURE 12 FIX BASE COAT APPLICATOR OVER EPOXY FILLED SCREW HEAD



FIGURE 13 APPLY JAMES HARDIE™ BASE COAT OVER EPOXY FILLED SCREW HEAD



FIGURE 14 SCREW HEAD COVERED BY EPOXY AND JH BASE COAT

 Sand James Hardie[™] base coat smooth when cured with 100-120 grit sandpaper.



FIGURE 15 COUNTERSUNK FASTENER DETAIL

NOTE

Do not use hammer action.



FIGURE 16 DRILL CLEARANCE HOLE



FIGURE 17 WASHER AND SCREW INSTALLATION



FIGURE 18 EXPOSED HEAD FASTENER DETAIL

BACKING STRIP INSTALLATION

At horizontal panel joints, ExoTec[™] backing strips are adhered along the back top edge of the ExoTec[™] facade panel prior to panel installation.







FIGURE 21 SEALING EXOTEC[™] BACKING STRIP END DETAIL



FIGURE 20 APPLYING SEALANT TO HORIZONTAL JOINT



FIGURE 22 INSTALLING NEXT COURSE OF PANELS DETAILS

SEALANT FILLED JOINTS

For design wind pressures including and above 4.0kPa, all horizontal and vertical joints must be continuously sealed over bond breaker tape.

Where joints are required to be sealant filled, James Hardie[™] Joint Sealant and Bostik Seal 'n' flex are recommended. Where vertical joints are sealed, a bond breaker tape must be installed behind the sealant.

CURVED FACADES

The ExoTec[™] facade panel and fixing system can be used to follow curved walls as described below:

For radii 10m or greater

Use 9mm thick ExoTec[™] facade panels which can be easily bent to the curve of the frame. ExoTec[™] facade panels are to be fixed in a horizontal orientation only. Refer to Table 4 for maximum top hat spacing.

TABLE 4

MAX. TOP HAT SPACING FOR VARIOUS RADII						
RADII (m)	MAX. TOP HAT SPACING (mm)					
	900mm wide panels	1200mm wide panels				
10 to 15	300	400				
>15	450	To suit wind loading				

NOTES

- 1. The closer the spacing of top hats, the less likely they will read through as facets in the panels, particularly at a small radii.
- 2. 9mm thick panels may be able to be curved to a smaller radius, but this is likely to overstress panels.

NOTE

When fixing curved sheets, commence fixing from the centre and work outwards to avoid "drumminess".

Particular care should be taken when curving panels to ensure the supports are on a true curve. If not, apart from poor appearance, there is a risk of locally over-stressing the panels and causing cracking.

Alternate materials and installation methods are available for radii less than specified above including, glass reinforced cement (GRC) installed according to manufacturer's specifications.

For further information on curved facades contact James Hardie on 13 11 03.

8 MOVEMENT JOINTS

Movement joints are required to limit or remove stresses from the panels. Movement joints are provided by the nominal 10mm expressed or sealant filled joints at the perimeter of the panels.

Vertical structural joints may be required in the cladding to coincide with structural joints in the structure to accommodate the anticipated movement.

Horizontal structural joints are required at slab level where the framing supporting the top hats moves with the creep deflection in the slab.

For details of abutment to masonry walls, refer page 7 in the ExoTec[™] Facade Panel and Fixing System Technical Specification.

For more information on movement joints, refer page 6 in the ExoTec[™] Facade Panel and Fixing System Technical Specification.

NOTE

The project engineer is responsible for specifying the anticipated movement.

9 JUNCTIONS

BASE SLAB JUNCTION

This junction can be treated in a number of ways, two of which are illustrated in Figures 23 and 25.









FIGURE 25 WALL BASE CUTAWAY TYPICAL DETAIL 2

FIGURE 24 WALL BASE TYPICAL DETAIL 1

HEAD SLAB JUNCTION

Where the cladding forms a junction with an exposed slab, the detail must accommodate for slab deflection. Refer to the structural engineer for appropriate recommendations. A typical deflection head detail is shown in Figure 27.

Concrete slab

Drip groove

Sealant over bond

breaker foam tape, refer to page 13 for a suitable sealant

Angle fixed to slab soffit through continuous sealant

9mm ExoTec™ facade panel

ExoTec™ or

intermediate JH top hat

bead



FIGURE 26B WALL BASE TYPICAL DETAIL 2 WITH HARDIEEDGE™ TRIM

10 EXTERNAL CORNERS

SOFFIT JUNCTION

There are many ways of detailing the soffit junction and it is important to ensure that a drip edge is provided. A typical approach to install the soffit fascia junction is shown in Figure 28. Ensure the ExoTec[™] gasket snap strip is installed to the bottom of the fascia panel.



FIGURE 28 TYPICAL SOFFIT DETAIL

NOTE

It is essential that a continuous flashing is provided behind the top hats at the base of the fascia to allow moisture to escape. See Table 5 of the ExoTec[™] Facade Panel and Fixing System Technical Specification for required height of the flashing upstand. This section contains various methods of finishing external corners using the ExoTec[™] facade panel and fixing system







FIGURE 30 EXTERNAL CORNER DETAIL





FIGURE 31 NON SQUARE EXTERNAL CUTAWAY CORNER



FIGURE 32 NON SQUARE EXTERNAL CORNER



FIGURE 33 INTERNAL CORNER CUTAWAY DETAIL



FIGURE 34 INTERNAL CORNER DETAIL

12 WINDOWS

The ExoTec[™] facade panel and fixing system provides an opportunity to consider a range of alternative window treatments. The building designer, in conjunction with the window manufacturer, must consider the adequate weatherproofing of the window application.

Windows may be flush with the facade using figures 35–45. This is a guide only. All windows are different and sufficient provision for moisture management must be made, see Clause 2.5 of the ExoTec[™] Facade Panel and Fixing System Technical Specification.







FIGURE 36 INSTALLATION OF WINDOW

FIGURE 38 INSTALLATION OF WINDOW







FIGURE 40 INSTALLATION OF TOP HATS AROUND WINDOW

FIGURE 42 INSTALLATION OF SNAP ON STRIP



FIGURE 43 OVERVIEW CUTAWAY SECTION OF WINDOW



FIGURE 44 WINDOW JAMB DETAIL



FIGURE 45 CROSS SECTION OF WINDOW

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13 PARAPET DETAILS



FIGURE 46 PARAPET CAPPING CUTAWAY DETAIL 1



14 FINISHING

GENERAL

ExoTec[™] facade panels will readily accept a wide variety of applied finishes, including site-applied textures and factory finishes.

For site-applied finishes (acrylic coatings), follow the paint manufacturer's recommended advice to adequately cover the sanded smooth James Hardie™ base coat filler applied over the epoxy filled concealed fixings (refer to fixing section).

In order to seal cut edges or sanded patches two coats of an appropriate primer should be applied at the time of cutting or sanding e.g. Dulux AcraPrime 501/1 (water based).

The face and edges of the panels must be coated in accordance with the paint manufacturer's recommendations.

For further information contact the service centre of the relevant paint company, as follows:

- Dulux Trade Customer Service on 13 23 77
- Taubmans Customer Service on 13 16 86
- Wattyl Hotline on 13 21 01

Polyurethane paints are not suitable as a site-applied finish but can be factory coated prior to installation. Pre-finished panels are generally installed using exposed head fasteners

Some environments require special coatings. Painting selection and specifications are dependant on the paint chosen. Refer to the paint manufacturer.

Fixing tiles onto ExoTec[™] facade panels is not recommended.

PANELS EXPOSED TO DIRECT SUNLIGHT

The face or rear of the panels must not be exposed to direct sunlight for any period greater than three months. The face must be over-coated as recommended by the paint companies mentioned above. However, if the rear clear sealer is exposed to direct sunlight by its application, e.g. fascias, plantrooms, etc., then the clear sealer must be coated with a minimum of two coats of an exterior grade acrylic, pigmented white, with a minimum of 10 years warranty, by one of the paint companies previously mentioned.

It is the responsibility of the specifier to identify other weather related risks with any particular building design.

NOTE

Refer to the previously mentioned paint companies for suitable rear face surface preparation on the ExoTec[™] facade panels.

FIGURE 47 PARAPET CAPPING DETAIL 1

15 MAINTENANCE

It is the responsibility of the specifier to determine normal maintenance requirements.

The extent and nature of maintenance will depend on the geographical location and exposure of the building. As a guide, it is recommended that basic normal maintenance tasks shall include but not be limited to:

- In coastal areas, a six monthly washdown of expressed joints must be done as per Clause 2.4. in the current ExoTec[™] Facade Panel and Fixing System Technical Specification.
- Annual checks and maintenance for the exposed sealant (3mm fillet at horizontal joints, filled vertical and horizontal joints) referenced in Clauses 6.2, 6.3, 6.4, 6.5, 6.6, 7.1, 9, 11.1 and 11.2, must be done as required by the sealant manufacturer, refer to the current ExoTec[™] Facade Panel and Fixing System Technical Specification.
- Maintenance to painted surfaces must be carried in accordance with the paint manufacturer's specification, refer to section 14 in this manual.
- As required, clear debris build up against ExoTec[™] facade panels.
- Maintain sealant as per manufacturer recommendations, to ensure weather seal.
- Clean out gutters, blocked pipes and overflows as required.

For inspiration, specification details & downloads visit...

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