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### Agrément Certificate

04/4147

Product Sheet 1 Issue 3

## JAMES HARDIE CLADDING SYSTEMS

### HARDIEPLANK

This Agrément Certificate Product Sheet<sup>(1)</sup> relates to HardiePlank<sup>(2)</sup>, a fibre-reinforced cement plank for use as an exterior non-loadbearing lap cladding over timber stud or masonry walls, or steel or aluminium subframe in residential and commercial buildings.

(1) Hereinafter referred to as 'Certificate'.

(2) HardiePlank is a registered trademark of James Hardie International Finance B.V.

#### CERTIFICATION INCLUDES:

- factors relating to compliance with Building Regulations where applicable
- factors relating to additional non-regulatory information where applicable
- independently verified technical specification
- assessment criteria and technical investigations
- design considerations
- installation guidance
- regular surveillance of production
- formal three-yearly review.



#### KEY FACTORS ASSESSED

**Strength and stability** — the product has acceptable resistance to wind and impact loads (see section 6).

**Performance in relation to fire** — the product is classified as A2-s1, d0 in accordance with BS EN 13501-1 : 2007 (see section 7).

**Weather-tightness** — the product, when installed on a non-watertight supporting wall, is not weatherproof and must be used in conjunction with a suitable vapour permeable membrane (see section 8).

**Durability** — the product is durable and can be expected to have a service life in excess of 30 years, although it may be necessary to overcoat the product within this service life (see section 10).

The BBA has awarded this Certificate to the company named above for the product described herein. This product has been assessed by the BBA as being fit for its intended use provided it is installed, used and maintained as set out in this Certificate.

On behalf of the British Board of Agrément

Date of Third issue: 29 June 2021

Originally certificated on 13 September 2004

Certificate amended on 26 February 2024 to update Durability on page 1 and to update Sections 7 and 10.

A handwritten signature in black ink, appearing to read 'Hardy Giesler'.

Hardy Giesler  
Chief Executive Officer

*The BBA is a UKAS accredited certification body – Number 113.*

*The schedule of the current scope of accreditation for product certification is available in pdf format via the UKAS link on the BBA website at [www.bbacerts.co.uk](http://www.bbacerts.co.uk)  
Readers are advised to check the validity and latest issue number of this Agrément Certificate by either referring to the BBA website or contacting the BBA direct.  
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## Regulations

In the opinion of the BBA, HardiePlank, if installed, used and maintained in accordance with this Certificate, can satisfy or contribute to satisfying the relevant requirements of the following Building Regulations (the presence of a UK map indicates that the subject is related to the Building Regulations in the region or regions of the UK depicted):



### The Building Regulations 2010 (England and Wales) (as amended)

<b>Requirement:</b> A1 Comment:	<b>Loading</b> The product is acceptable for use as set out in sections 4.2 to 4.7 and 6 of this Certificate.
<b>Requirement:</b> B3(4) Comment:	<b>Internal fire spread</b> The product can contribute to a construction satisfying this Requirement. See section 7.4 of this Certificate.
<b>Requirement:</b> B4(1) Comment:	<b>External fire spread</b> The uncoated product is unrestricted by this Requirement. See section 7 of this Certificate.
<b>Requirement:</b> C2(b) Comment:	<b>Resistance to moisture</b> The product does not provide a weatherproof cladding. To achieve a weatherproof barrier, a breather membrane must be installed. See section 8 of this Certificate.
<b>Regulation:</b> 7(1) Comment:	<b>Materials and workmanship</b> The product is acceptable. See section 10 and the <i>Installation</i> part of this Certificate.
<b>Regulation:</b> 7(2) Comment:	<b>Materials and workmanship</b> The product is unrestricted by this Regulation. See section 7.1 of this Certificate.



### The Building (Scotland) Regulations 2004 (as amended)

<b>Regulation:</b> 8(1)(2) Comment:	<b>Durability, workmanship and fitness of materials</b> The product can contribute to a construction satisfying this Regulation. See sections 9 and 10 and the <i>Installation</i> part of this Certificate.
<b>Regulation:</b> 9 Standard: 1.1(a)(b) Standard: 1.2 Comment:	<b>Building standards applicable to construction</b> Structure Disproportionate Collapse The product is acceptable for use, with reference to clause 1.1.1 <sup>(1)(2)</sup> of this Standard. See sections 4.2 to 4.7 and 6 of this Certificate.
Standard: 2.4 Comment:	<b>Cavities</b> The product can contribute to satisfying this Standard with respect to clause 2.4.2 <sup>(1)(2)</sup> . See section 7.4 of this Certificate.
Standard: 2.6 Comment:	<b>Spread to neighbouring buildings</b> The uncoated product is classified as 'non-combustible' and is therefore unrestricted under clauses 2.6.5 <sup>(1)</sup> and 2.6.6 <sup>(2)</sup> of this Standard. See section 7 of this Certificate.
Standard: 2.7 Comment:	<b>Spread on external walls</b> The uncoated product is classified as 'non-combustible' and is therefore unrestricted under clause 2.7.1 <sup>(1)(2)</sup> of this Standard. See section 7 of this Certificate.

Standard: Comment:	3.10	Precipitation The product does not form a weatherproof cladding. To achieve a weatherproof barrier, a breather membrane must be provided to satisfy this Standard, with reference to clause 3.10.5 <sup>(1)(2)</sup> . See section 8 of this Certificate.
Standard: Comment:	7.1(a)(b)	Statement of sustainability The product can contribute to meeting the relevant requirements of Regulation 9, Standards 1 to 6 and therefore will contribute to a construction meeting a bronze level of sustainability as defined in this Standard.
Regulation: Comment:	12	<b>Building standards applicable to conversions</b> All comments given for the product under Regulation 9, Standards 1 to 6, also apply to this Regulation, with reference to clause 0.12.1 <sup>(1)(2)</sup> and Schedule 6 <sup>(1)(2)</sup> .

(1) Technical Handbook (Domestic).  
(2) Technical Handbook (Non-Domestic).



## The Building Regulations (Northern Ireland) 2012 (as amended)

Regulation: Comment:	23(a)(i) (iii)(b)(i)	<b>Fitness of materials and workmanship</b> The product is acceptable. See section 10 and the <i>Installation</i> part of this Certificate.
Regulation: Comment:	28(b)	<b>Resistance to moisture and weather</b> The product does not form a weatherproof cladding. To achieve a weatherproof barrier, a breather membrane must be provided. See section 8 of this Certificate.
Regulation: Comment:	30	<b>Stability</b> The product is acceptable for use as set out in sections 4.2 to 4.7 and 6 of this Certificate.
Regulation: Comment:	35(4)	<b>Internal fire spread (structure)</b> The product can contribute to satisfying this Regulation. See section 7.4 of this Certificate.
Regulation: Comment:	36(a)	<b>External fire spread</b> The uncoated product is unrestricted by this Regulation. See section 7 of this Certificate.

## Construction (Design and Management) Regulations 2015

## Construction (Design and Management) Regulations (Northern Ireland) 2016

Information in this Certificate may assist the client, designer (including Principal Designer) and contractor (including Principal Contractor) to address their obligations under these Regulations.

See sections: 1 *Description* (1.2), 3 *Delivery and site handling* (3.1 and 3.4) and 6 *Strength and stability* (6.4 and 6.6) of this Certificate.

## Additional Information

### NHBC Standards 2022

In the opinion of the BBA, HardiePlank, if installed, used and maintained in accordance with this Certificate, can satisfy or contribute to satisfying the relevant requirements in relation to *NHBC Standards, Part 6 Superstructures (excluding roofs), Chapter 6 wind loading*.

## CE marking

The Certificate holder has taken the responsibility of CE marking the product, in accordance with harmonised European Standard BS EN 12467 : 2012.

## Technical Specification

### 1 Description

1.1 HardiePlank is a fibre-reinforced Portland cement cladding plank, satisfying the requirements of Category A, Class 2 in accordance with BS EN 12467 : 2012.

1.2 The product has the following characteristics:

Thickness (mm)	8
Width (mm)	180
Length (mm)	3600
Mass per plank (kg)	7.4
Average density (kg·m <sup>3</sup> )	1300
Finish	smooth or cedar textured.

1.3 The plank is supplied factory-primed and coated with ColorPlus<sup>(1)</sup>. The performance of the primer and ColorPlus, including durability and resistance to fire and UV, has not been assessed by the BBA and is outside the scope of this Certificate.

(1) ColorPlus is a registered trademark of James Hardie International Finance B.V.

1.4 Ancillary materials for use with the product include:

- HardieTrim NT3<sup>(1)</sup> — a 25 mm thick fibre-reinforced cement board, complying with the requirements of Class 1, Category A in accordance with BS EN 12467 : 2012
- breather membrane — that satisfies the requirements of BS 5250 : 2011
- EPDM tape — 25 m roll, available in 60, 100 and 120 mm widths
- Metal Top-Hat Battens — minimum 1.5mm thickness at 600mm centres
- stainless steel Paslode nails — 51 mm long by 2.8 mm diameter and minimum 6.5 mm head diameter, used in conjunction with HardieClip
- Paslode Impulse Galv-Plus 'D' head nails — 51 mm long by 2.8 mm diameter, with a minimum head diameter of 6.5 mm.
- galvanized or stainless-steel nail fixings — 32 mm long by 2.8 mm minimum diameter, with a minimum head diameter of 7 mm
- galvanized or stainless steel wood screws — 35 mm long by 3.5 mm diameter and minimum 8.0 mm head diameter
- stainless steel Faynot self-drilling countersunk screw fixings for aluminium and steel frames — 34 mm long by 3.5 mm in diameter and with a minimum 8.75 mm head diameter
- HardieClip — 0.5 mm gauge steel reinforcing clip for the nail fixing of HardiePlank cladding, used to ensure correct positioning of the nails and the use of 600 mm fixing centres in high wind pressure zones. HardieClip is used in conjunction with Paslode Impulse Galv-Plus 'D' head nails
- Timber subframe – minimum 50 x 50mm battens at 600mm maximum centres
- Aluminium subframe – minimum 2.2mm thickness at 600mm maximum centres
- Intumescent strips / fire barriers.

(1) HardieTrim is a registered trademark of James Hardie International Finance B.V.

1.5 Other items which may be used in conjunction with the product, but which are outside the scope of this Certificate, are:

- HardieBlade — a diamond-tipped saw blade for cutting the Certificate holder's cementitious products
- HardieGuillotine — a custom-designed cutting tool for the Certificate holder's HardiePlank
- internal and external metal corner profiles — coated aluminium corner profiles

- James Hardie Combination Starter and Ventilation Profile — to prevent ingress of insects and pests through the ventilation gap; top vent profile for ventilation under windows and at eaves.

## 2 Manufacture

2.1 Raw materials (Portland cement, sand and cellulose) are batched into a slurry, formed and cut to the required size and thickness. The sheets pass through a pre-cure stage and are autoclaved.

2.2 As part of the assessment and ongoing surveillance of product quality, the BBA has:

- agreed with the manufacturer the quality control procedures and product testing to be undertaken
- assessed and agreed the quality control operated over batches of incoming materials
- monitored the production process and verified that it is in accordance with the documented process
- evaluated the process for management of nonconformities
- checked that equipment has been properly tested and calibrated
- undertaken to carry out the above measures on a regular basis through a surveillance process, to verify that the specifications and quality control operated by the manufacturer are being maintained.

## 3 Delivery and site handling

3.1 HardiePlank is delivered on wrapped pallets weighing up to approximately 1700 kg. The product can be unloaded using mechanical handling equipment or by manually removing individual planks. Due care and consideration must be exercised with manual handling. Please see the relevant Health and Safety requirements before moving individual planks.

3.2 The planks should be stored on edge or flat, under cover, and on a dry, level surface. Stacks of loose planks should not exceed 1 m in height.

3.3 At least two planks in each pallet row are marked with the product name and unique manufacturing code.

3.4 The product contains crystalline silica and reference should be made to the current version of EH40 *Occupational Exposure Limits*. In particular, when cutting, drilling or sanding in confined areas, dust levels should be controlled using suitable extraction equipment.

## Assessment and Technical Investigations

The following is a summary of the assessment and technical investigations carried out on HardiePlank.

## Design Considerations

### 4 General

4.1 HardiePlank is satisfactory for use as a decorative external facing over timber stud or masonry walls, or steel or aluminium subframe.



4.2 The designer should ensure that the strength and integrity of the intended substrate satisfies the requirements of the cladding system.

4.3 Brickwork or blockwork walls should be constructed in accordance with the relevant sections of BS EN 1996-1-1 : 2005, BS EN 1996-1-2 : 2005, BS EN 1996-2 : 2006 and BS EN 1996-3 : 2006, and their UK National Annexes, and PD 6697 : 2010, or one of the technical specifications given in the national Building Regulations.

4.4 Steel-frame substrates must be structurally sound, and designed and constructed in accordance with BS EN 1993-1-1 : 2005 and BS EN 1993-1-3 : 2006, and their UK National Annexes

4.5 Timber stud walls must be constructed in accordance with the relevant sections of BS EN 1995-1-1 : 2004 and its UK National Annex, and preservative treated in accordance with BS 8417 : 2011. Guidance on recommended wood

preservation is also given in *NHBC Standards 2020, Part 3 General, Chapter 3.3 Timber preservation (natural solid timber)*.

4.6 The design of the subframes must be checked by a suitably qualified and experienced individual to ensure that the subframes have sufficient rigidity.

4.7 When installed onto timber battens, the product must be fixed to preservative-treated, good quality timber battens aligned vertically at 400 or 600 mm centres. The minimum batten thickness over timber studs is 25 mm. Thicker battens should be used when cladding is installed over masonry substrates, this is to accommodate the 50 mm fixing length.

4.8 Care should be taken to ensure sufficient time is allowed for complete fixing or drying of the timber preservative before the planks are fixed.

4.9 Additional guidance on recommended cavity widths is given in *NHBC Standards 2020, Part 6 Superstructure (excluding roofs), Chapter 6.2 External Timber Framed Walls*.

## 5 Practicability of installation

The product is designed to be installed by a competent general builder, or a contractor, experienced with this type of product.

## 6 Strength and stability

### Wind loading



6.1 Design wind actions should be calculated in accordance with BS EN 1991-1-4 : 2005 and its UK National Annex. Due consideration should be given to higher pressure coefficients applicable to corners of the building as recommended in this Standard. In accordance with BS EN 1990 : 2002, it is recommended that a wind load partial safety factor of 1.5 is used to determine the ultimate wind load to be resisted by the product.

6.2 The supporting wall must be able to take the full wind and any racking loads on its own and it must be assumed that the planks do not contribute in this regard.

6.3 Under wind loading, the most likely mode of failure will be by pull-through of the fixings owing to wind suction.

6.4 When installed in accordance with the requirements of this Certificate, for the specified framing, the product can withstand dynamic wind pressures as shown in Table 1.

6.5 A suitably qualified and experienced individual should ensure that:

- the design of the sub-frame is in accordance with the relevant Codes and Standards and has adequate resistance to any actions imparted to it
- the proposed system and associated fixing layout provide adequate resistance to dead and wind actions
- the fixings attaching the cladding panels to the support subframe have adequate pull-out strength to resist load imparted by the system
- fixing of the support subframe to the substrate wall has adequate tensile pull-out strength.

**Table 1 Maximum wind pressure**

Frame type	Battens centres (mm)	Fixing type/dimensions (mm)	Fixings centres (mm)	Design wind pressure (kPa)
Timber battens (min 50 mm thick)	600	2.8 x 32 x 7 mm galvanized/stainless steel nails <sup>(1)</sup>		1.40
	600	3.0 x 50 mm galvanized/stainless steel nails <sup>(1)</sup>	600	1.7
Timber studs	600	2.8 x 51 mm Paslode nails <sup>(2)</sup> with 0.5 mm thick gauge steel clips <sup>(3)</sup>	600	2.07
	400	2.8 x 51 x 6.5mm Paslode D-head nails	600	1.87
	600	2.8 x 51 x 6.5 Paslode D-head nails	600	1.33
	600	3.5 x 35 mm wood screws <sup>(5)</sup>	600	1.40
2.2 mm thick Nvelope aluminium rails fixed through sheathing board into timber studs	600	3.5 x 34 mm Faynot stainless steel screws <sup>(4)</sup>	600	1.53

(1) Minimum head diameter 10 mm.

(2) Minimum 6.5 mm head diameter.

(3) 56 x 28 x 8.5 mm, provided with 3 x 3 mm diameter holes at 22 mm centres and 6 mm from the edge.

(4) Countersunk head screw.

(5) Minimum 8 mm head diameter.

6.6 The permissible dynamic wind resistance may be increased by reducing batten or sub-frame spacing. In common with all cladding, the adequacy of a proposed installation should always be checked by a qualified engineer, who should include in the check the adequacy of the fixing of battens and metallic frames to the substrate (outside the scope of this Certificate).

### Impact

6.7 When tested for hard and soft body impact resistance, the product was found to be suitable for use in Use Categories III and IV, as described in Table G.2, an extract of which is shown in the Table 2 of this Certificate.

Table 2 Definition of Use Categories (reproduced from EAD 090062-00-0404, Table G.2)

Use Category	Description
I	A zone readily accessible at ground level to the public and vulnerable to hard body impacts but not subjected to abnormally rough use.
II	A zone liable to impacts from thrown or kicked objects, but in public locations where the height of the kit will limit the size of the impact; or at lower levels where access to the building is primarily to those with some incentive to exercise care.
III	A zone not likely to be damaged by normal impacts caused by people or by thrown or kicked objects.
IV	A zone out of reach from ground level.

Note: Categories I and II shown for information only and not suitable for the product.

## 7 Performance in relation to fire



7.1 The product, finished with the ColorPlus<sup>(1)</sup> coating, has a reaction to fire classification of A2-s1,d0 in accordance with BS EN 13501-1 : 2007.

(1) the performance of the ColorPlus coating is outside the scope of this Certificate

7.2 The Certificate holder has not declared a reaction to fire classification for the uncoated product.

7.3 The product is not subject to any restriction in building height or proximity to boundary as defined in the national Building Regulations.

7.4 If overcoating, care must be taken when selecting a coating system to ensure that the fire performance of the installation is not compromised.

7.5 The reverse side of the ColorPlus<sup>(1)</sup>-coated product (facing into the cavity) has a reaction to fire classification of A2-s1,d0 to BS EN 13501-1 : 2007.

7.6 The support system (timber battens) is not classified as non-combustible in accordance with the relevant national regulatory guidance and must not be used on a building with a floor more than 18 metres above the ground (11 metres in England and Scotland ) and, additionally in Scotland, one metre or less from a boundary, except on houses.

## 8 Weathertightness



8.1 The product is not weathertight and when used on timber stud or aluminium and steel frame walls must be backed by a breather membrane (see section 1.4) acting as a vapour-permeable barrier, incorporated behind the cladding under the supporting battens.

8.2 Where the product is used as a decorative facing attached to weathertight masonry walls, a water barrier is not necessary as the amount of water that will penetrate the cladding will be small and will not have an adverse effect on the wall.

8.3 If the product is used in the renovation of a masonry wall which is structurally sound but not fully weathertight, the use of a vapour-permeable water barrier is advisable.

8.4 The horizontal and vertical joints between planks are not sealed but the amount of water entering the cavity by wind-driven rain will be minimal. Any water collecting in the cavity owing to rain or condensation will be removed by drainage and ventilation.

8.5 Provision must always be made to allow water that has penetrated behind the cladding to drain away.

8.6 The clear cavity between the back of the product and the supporting wall must be in accordance with the requirements of *NHBC Standards 2020*, Chapter 6.9.



## 9 Maintenance



Periodic inspections should be carried out to assess the need for cleaning, maintenance painting, localised repairs and replacement of elements, such as joint seals and fixings. Advice regarding recoating and maintenance procedures can be obtained from the Certificate holder.

Note: Care must be taken to ensure that over coating does not reduce the required reaction to fire classification.

## 10 Durability



10.1 When installed in accordance with this Certificate and the Certificate holder's installation instructions, and subject to normal conditions of exposure and use, the product can be expected to have a service life in excess of 30 years.

10.2 The BBA has not assessed the durability of the coating and so it may be necessary to overcoat the product within this service life.

## Installation

### 11 General

11.1 HardiePlank is installed via timber battens or an aluminium subframe support system onto external timber stud, conventional masonry or concrete, or aluminium or steel-frame substrate walls.

11.2 The planks can be cut with the HardieGuillotine or a circular saw fitted with a HardieBlade of the appropriate size.

11.3 Large cut-outs can be made using a jigsaw with a carbide-tipped blade or a tungsten carbide or diamond-tipped saw designed for use with fibre cement. Small holes may be drilled using a carbide-tipped masonry bit.

### 12 Procedure

12.1 Where required, a breather membrane (see section 8.1) is laid parallel to the direction of the planks along the wall, with minimum laps of 150 mm.

12.2 Suitable timber or metal wall battens should be fixed over the breather membrane in accordance with section 4.6.

12.3 The first course of the product is installed, using the fixings described in section 1.4 and in accordance with the manufacturer's instructions, leaving a 10 mm drip edge at the lower edge.

12.4 Subsequent courses are installed in the same way, allowing a minimum 30 mm overlap of the lower edge over the previous row.

Figure 1 General fixing arrangement onto timber battens

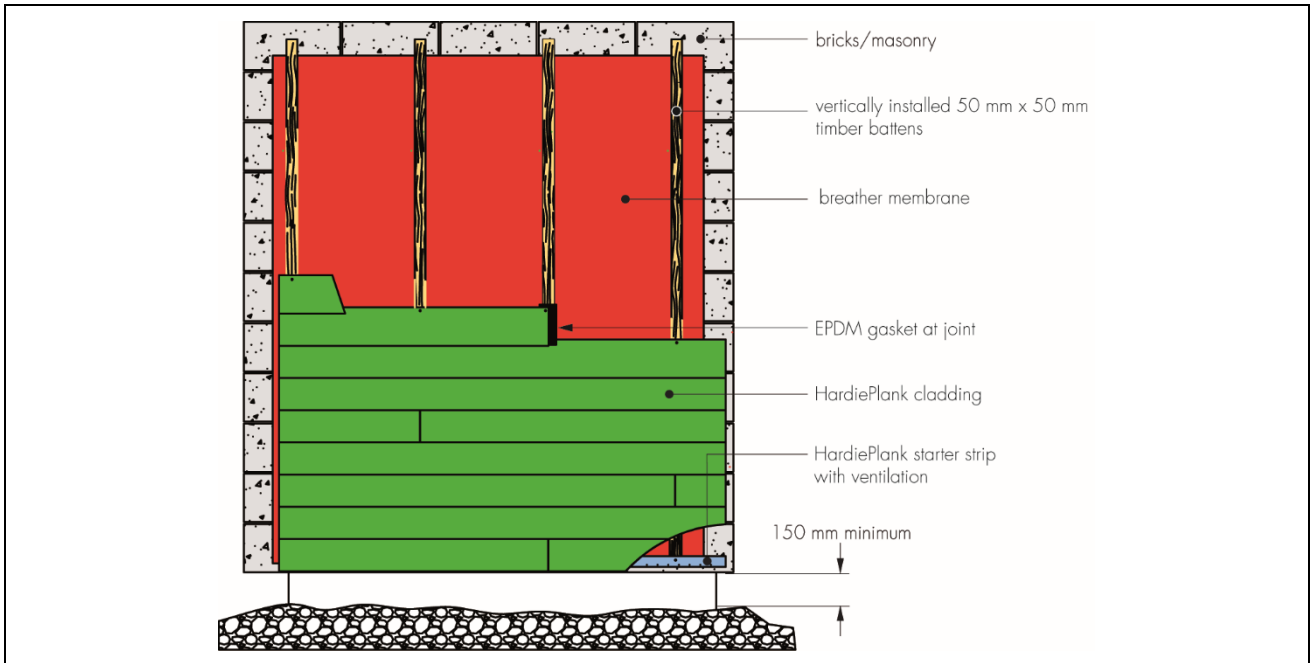
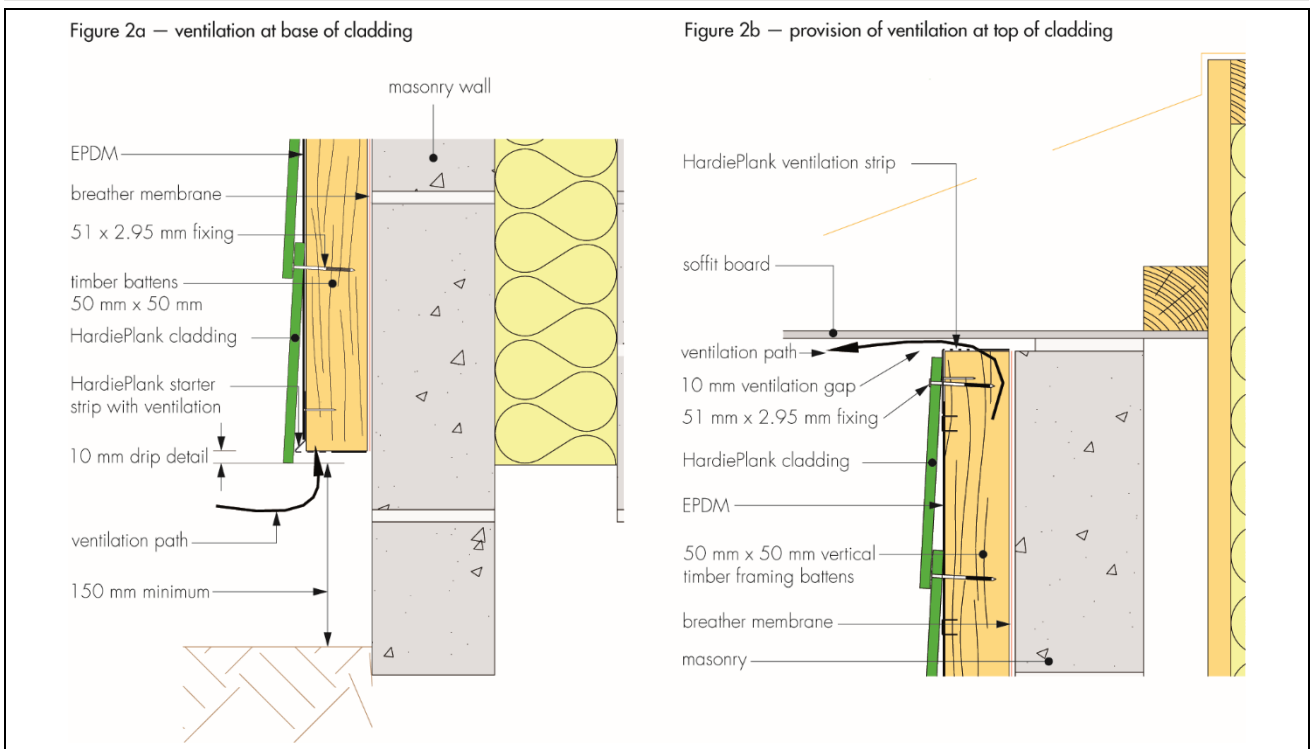
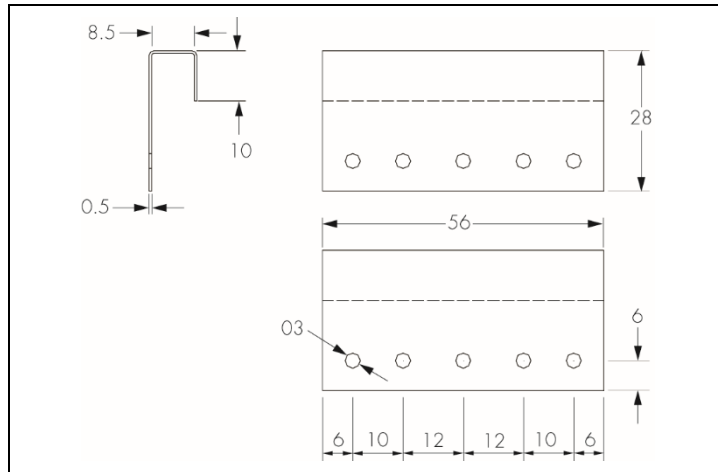


Figure 2 Top and base of cladding ventilation details



12.5 Alternatively, HardiePlank can be installed with an additional HardieClip placed over the top edge of the planks on the centre of the batten with the long face containing the fixing hole facing outwards. The nail should be driven through the fixing hole provided in the clip (see Figure 3).

Figure 3 HardieClip



12.6 At joints, the clip is placed centrally over two boards and fixed using the two outside nail holes as shown in Figure 4.

Figure 4 HardieClip section on plan of joint

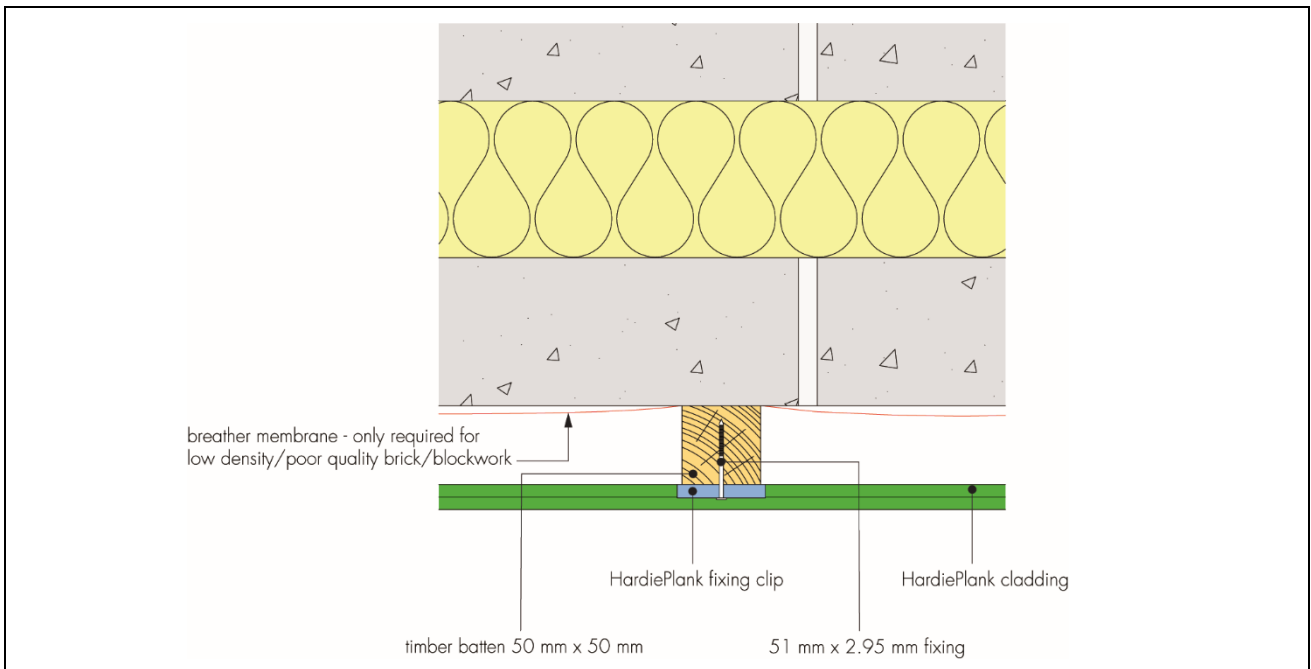
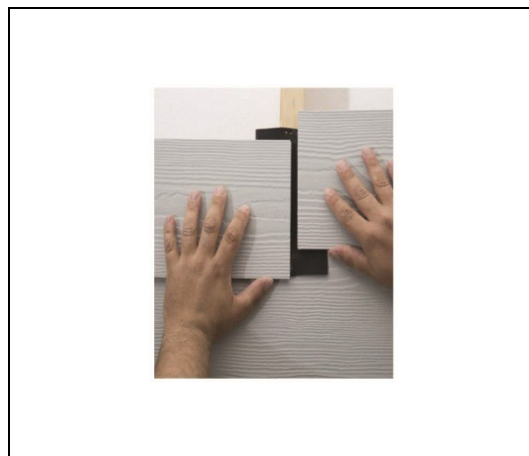
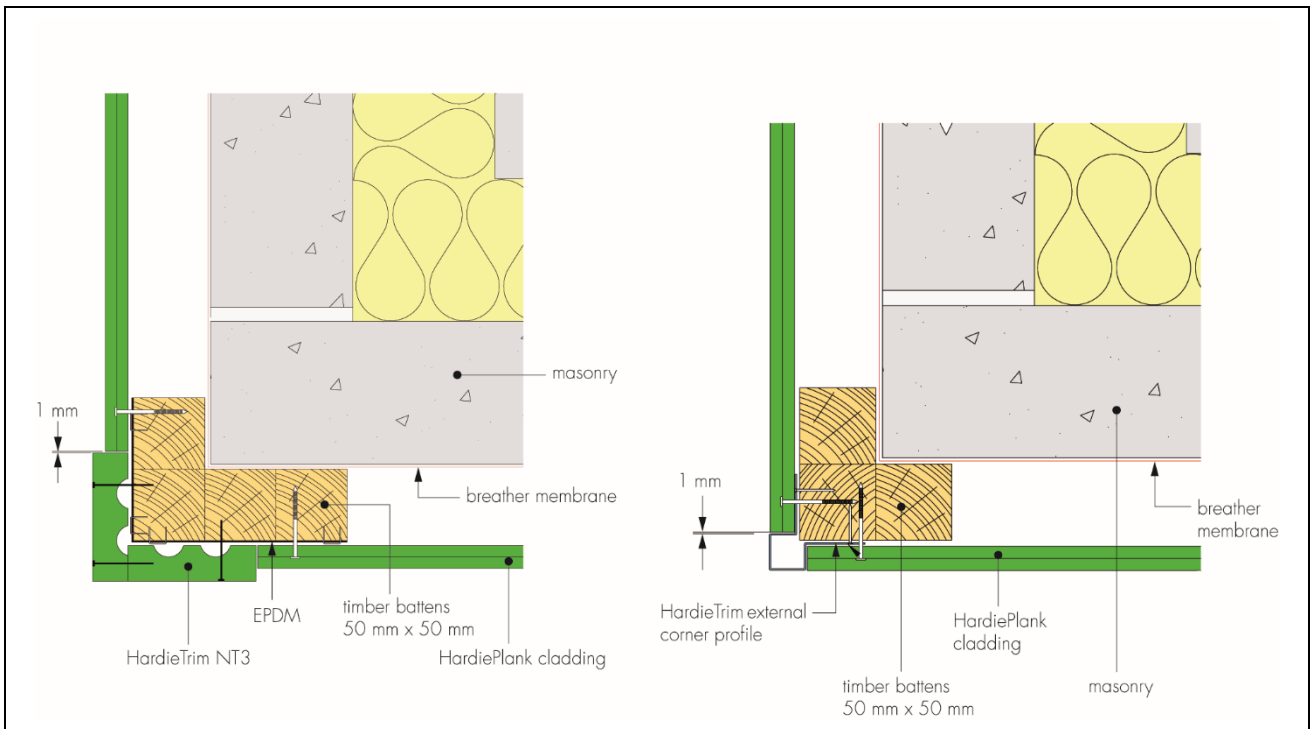


Figure 5 Butt joint detail - EPDM



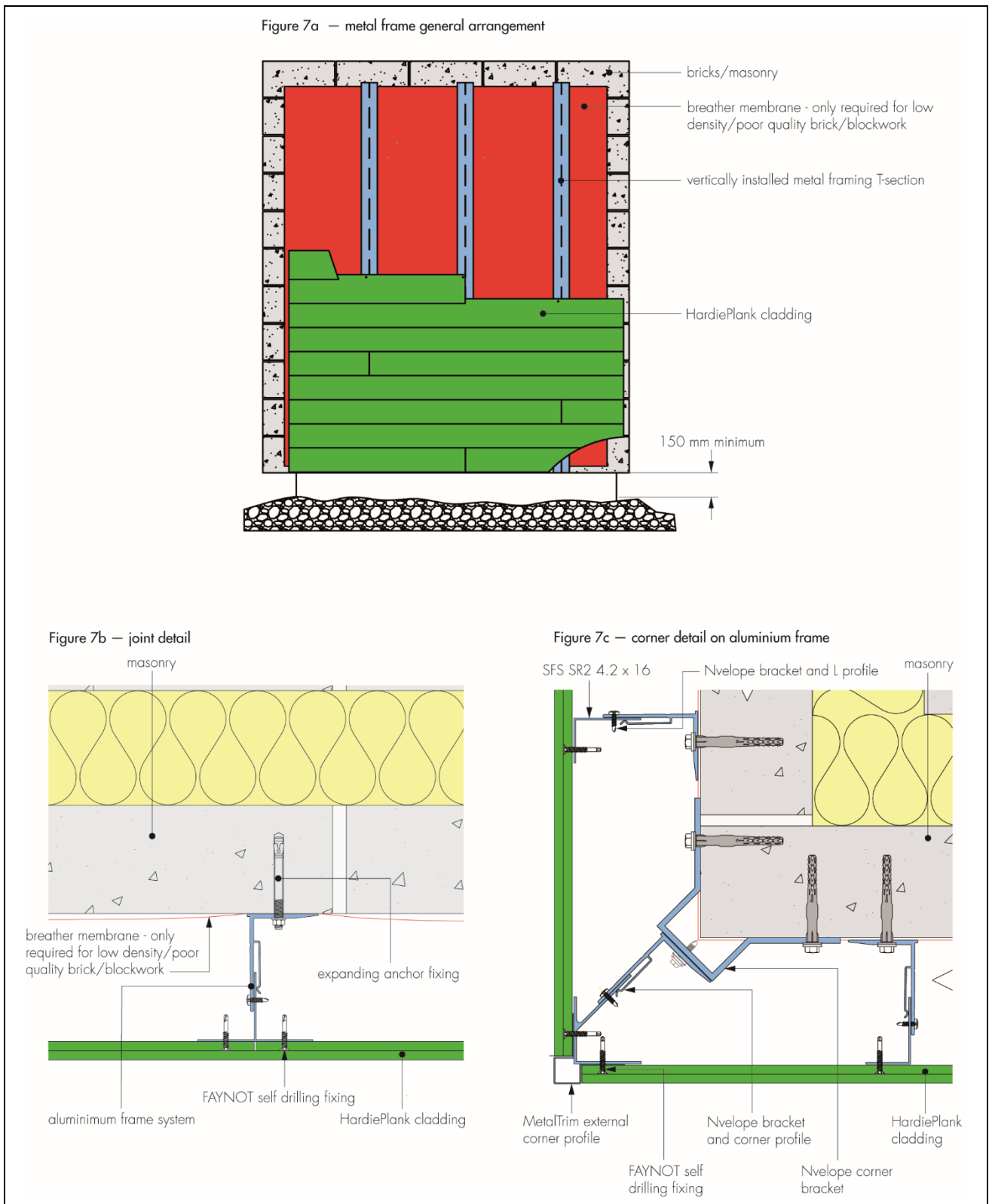
12.7 Where joints are required, the planks are butted in moderate contact to form a joint. A strip of 100 mm wide x 200 mm long EPDM should be placed behind the joint to weather protect the detail, as shown in Figure 5.

Figure 6 Corner details on timber battens



12.8 Corner installations can be fitted with HardieTrim NT3 (see Figure 5) or with an external metal trim butted up against the HardiePlank (see Figure 6c). When using HardieTrim, a 1 mm gap should be left between the ends of the HardiePlank and the side of the HardieTrim to allow for movement and drainage (see section 1.5). HardieTrim NT3 corner details should incorporate EPDM flashing stapled to the support battens to the full height of the corner detailing, for weatherproofing purposes.

Figure 7 HardiePlank detail on metal framing



12.9 Corner details on metal framing should be formed using MetalTrim to form the external corner profile (see Figure 6c).

### 13 Repair

Under normal conditions of use, the product is unlikely to suffer more than cosmetic damage, but should damage occur, the planks affected should be replaced as soon as possible. This may require the temporary removal of undamaged planks above the damaged area.

### 14 Tests

Tests were carried out and the results assessed to determine:

- water absorption
- water vapour permeability
- resistance to hard body impact
- resistance to soft body impact
- ease of over coating
- adhesion of coatings.

### 15 Investigations

15.1 An assessment was made on data to BS EN 12467 : 2012, in relation to:

- dimensions
- bending strength
- apparent density
- resistance to freeze/thaw
- resistance to water soak
- resistance to soak/dry cycling
- resistance to heat/rain cycling
- water impermeability.

15.2 An assessment was made of existing data relating to:

- fire propagation
- reaction to fire
- surface spread of flame
- resistance to wind loading.

15.3 Visits were made to existing sites where the product had been in service.

15.4 The manufacturing process was evaluated, including the methods adopted for quality control, and details were obtained of the quality and composition of the materials used.

## Bibliography

BS 5250 : 2011 + A1 : 2016 *Code of practice for control of condensation in buildings*

BS 8417 : 2011 + A1 : 2014 *Preservation of wood — Code of practice*

BS EN 1990 : 2002 + A1 : 2005 *Eurocode — Basis of structural design*

BS EN 1991-1-4 : 2005 *Eurocode 1 — Actions on structures — General actions — Wind actions*

NA to BS EN 1991-1-4 : 2005 UK National Annex to *Eurocode 1 — Actions on structures — General actions — Wind actions*

BS EN 1995-1-1 : 2004 + A2 : 2014 *Eurocode 5 — Design of timber structures — General — Common rules and rules for buildings*

NA to BS EN 1995-1-1 : 2004 + A2 : 2014 UK National Annex to *Eurocode 5 — Design of timber structures — General*

BS EN 1996-1-1 : 2005 *Eurocode 6 — Design of masonry structures — General rules for reinforced and unreinforced masonry structures*

NA to BS EN 1996-1-1 : 2005 UK National Annex to *Eurocode 6 — Design of masonry structures — General rules for reinforced and unreinforced masonry structures*

BS EN 1996-1-2 : 2005 *Eurocode 6 — Design of masonry structures — General rules — Structural fire design*

NA to BS EN 1996-1-2 : 2005 UK National Annex to *Eurocode 6 — Design of masonry structures — General rules*

BS EN 1996-2 : 2006 *Eurocode 6 — Design of masonry structures — Design considerations, selection of materials and execution of masonry*

NA to BS EN 1996-2 : 2006 UK National Annex to *Eurocode 6 — Design of masonry structures — Design considerations, selection of materials and execution of masonry*

BS EN 1996-3 : 2006 *Eurocode 6 — Design of masonry structures — Simplified calculation methods for unreinforced masonry structures*

NA to BS EN 1996-3 : 2006 UK National Annex to *Eurocode 6 — Design of masonry structures — Simplified calculation methods for unreinforced masonry structures*

BS EN 12467 : 2012 + A2 : 2018 *Fibre-cement flat sheets — Product specification and test methods*

BS EN 13501-1 : 2007 *Fire classification of construction products and building elements — Classification using test data from reaction to fire tests*

PD 6697 : 2010 *Recommendations for the design of masonry structures to BS EN 1996-1-1 and BS EN 1996-2*

EH40/2005 : *Workplace exposure limits* (Second edition)

EAD 090062-00-0404 – July 2018 : Kits for external wall claddings mechanically fixed

### 16 Conditions

16.1 This Certificate:

- relates only to the product/system that is named and described on the front page
- is issued only to the company, firm, organisation or person named on the front page – no other company, firm, organisation or person may hold or claim that this Certificate has been issued to them
- is valid only within the UK
- has to be read, considered and used as a whole document – it may be misleading and will be incomplete to be selective
- is copyright of the BBA
- is subject to English Law.

16.2 Publications, documents, specifications, legislation, regulations, standards and the like referenced in this Certificate are those that were current and/or deemed relevant by the BBA at the date of issue or reissue of this Certificate.

16.3 This Certificate will remain valid for an unlimited period provided that the product/system and its manufacture and/or fabrication, including all related and relevant parts and processes thereof:

- are maintained at or above the levels which have been assessed and found to be satisfactory by the BBA
- continue to be checked as and when deemed appropriate by the BBA under arrangements that it will determine
- are reviewed by the BBA as and when it considers appropriate.

16.4 The BBA has used due skill, care and diligence in preparing this Certificate, but no warranty is provided.

16.5 In issuing this Certificate the BBA is not responsible and is excluded from any liability to any company, firm, organisation or person, for any matters arising directly or indirectly from:

- the presence or absence of any patent, intellectual property or similar rights subsisting in the product/system or any other product/system
- the right of the Certificate holder to manufacture, supply, install, maintain or market the product/system
- actual installations of the product/system, including their nature, design, methods, performance, workmanship and maintenance
- any works and constructions in which the product/system is installed, including their nature, design, methods, performance, workmanship and maintenance
- any loss or damage, including personal injury, howsoever caused by the product/system, including its manufacture, supply, installation, use, maintenance and removal
- any claims by the manufacturer relating to CE marking.

16.6 Any information relating to the manufacture, supply, installation, use, maintenance and removal of this product/system which is contained or referred to in this Certificate is the minimum required to be met when the product/system is manufactured, supplied, installed, used, maintained and removed. It does not purport in any way to restate the requirements of the Health and Safety at Work etc. Act 1974, or of any other statutory, common law or other duty which may exist at the date of issue or reissue of this Certificate; nor is conformity with such information to be taken as satisfying the requirements of the 1974 Act or of any statutory, common law or other duty of care.