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BBBA APPROVAL INSPECTION TESTING CERTIFICATION TECHNICAL APPROVALS FOR CONSTRUCTION

Agrément Certificate

09/4698 Product Sheet 2 Issue 2

CATNIC PANELS

CATNIC URBAN WALL PANEL AND CATNIC URBAN SEAM FACADE

This Agrément Certificate Product Sheet⁽¹⁾ relates to Catnic⁽²⁾ Urban Wall Panel and Catnic Urban Seam⁽²⁾ Facade, comprising standing seam weather-protected coated steel panels used in conjunction with either a fully supporting continuous layer of OSB/3 board or a profiled carrier steel sheet respectively, for use as a back-ventilated and drained rainscreen cladding system, to provide a protective and decorative façade over external walls of new or existing residential buildings above the damp proof course (DPC).

- (1) Hereinafter referred to as 'Certificate'.
- (2) Catnic and Urban Seam are registered trademark.

The assessment includes

Product factors:

- compliance with Building Regulations
- compliance with additional regulatory or non-regulatory information where applicable
- evaluation against technical specifications
- assessment criteria and technical investigations
- uses and design considerations

Process factors:

- compliance with Scheme requirements
- installation, delivery, handling and storage
- production and quality controls
- maintenance and repair

Ongoing contractual Scheme elements:

- regular assessment of production⁺
- formal 3-yearly review



KEY FACTORS ASSESSED

- Section 1. Mechanical resistance and stability
- Section 2. Safety in case of fire
- Section 3. Hygiene, health and the environment
- Section 4. Safety and accessibility in use
- Section 5. Protection against noise
- Section 6. Energy economy and heat retention
- Section 7. Sustainable use of natural resources
- Section 8. Durability
- The BBA has awarded this Certificate to the company named above for the products described herein. These products have been assessed by the BBA as being fit for their intended use provided they are installed, used and maintained as set out in this Certificate.

On behalf of the British Board of Agrément

Date of Second issue: 23 April 2024 Originally certified on 25 March 2015

Hardy Giesler Chief Executive Officer

This BBA Agrément Certificate is issued under the BBA's Inspection Body accreditation to ISO/IEC 17020. Sections marked with † are not issued under accreditation

The BBA is a UKAS accredited Inspection Body (No. 4345), Certification Body (No. 0113) and Testing Laboratory (No. 0357).

Readers MUST check that this is the latest issue of this Agrément Certificate by either referring to the BBA website or contacting the BBA directly.

The Certificate should be read in full as it may be misleading to read clauses in isolation. Any photographs are for illustrative purposes only, do not constitute advice and should not be relied upon.

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BBA 09/4698 PS2 Issue 2

SUMMARY OF ASSESSMENT AND COMPLIANCE

This section provides a summary of the assessment conclusions; readers should refer to the later sections of this Certificate for information about the assessments carried out.

Compliance with Regulations

Having assessed the key factors, the opinion of the BBA is that Catnic Urban Wall Panel and Catnic Urban Seam Facade, 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 Build	ing Regulations 2010 (England and Wales) (as amended)
Requirement: Comment:	A1	Loading The products are acceptable for use as set out in section 1 of this Certificate.
Requirement: Comment:	B3(4)	Internal fire spread (structure) The products can contribute to satisfying this Requirement in some cases. See section 2 of this Certificate.
Requirement: Comment:	B4(1)	External fire spread The products are restricted by this Requirement in some cases. See section 2 of this Certificate.
Requirement: Comment:	C2(b)	Resistance to moisture The products will contribute to satisfying this Requirement. See section 3 of this Certificate.
Regulation: Comment:	7(1)	Materials and workmanship The products are acceptable. See sections 8 and 9 of this Certificate.
Regulation: Comment:	7(2)	Materials and workmanship The products are restricted by this Regulation in some cases. See section 2 of this Certificate.
El est	The Build	ing (Scotland) Regulations 2004 (as amended)
Regulation: Comment:	8(1)(2)	Fitness and durability of materials and workmanship The products can contribute to a construction satisfying this Regulation. See sections 8 and 9 of this Certificate.
Regulation: Comment:	8(3)	Fitness and durability of materials and workmanship The products are restricted by this Regulation in some cases. See section 2 of this Certificate.
Regulation: Standard: Comment:	9 1.1(a)(b)	Building standards – construction Structure The products are acceptable, with reference to clause 1.1.1 ⁽¹⁾⁽²⁾ of this Standard. See section 1 of this Certificate.
Standard: Comment:	2.4	Cavities The products can contribute to satisfying this Standard, with reference to clause $2.4.2^{(1)(2)}$. See section 2 of this Certificate.

Standard: Comment:	2.6	Spread to neighbouring buildings The products are restricted by this Standard in some cases, with reference to clauses $2.6.4^{(1)(2)}$, $2.6.5^{(1)}$ and $2.6.6^{(2)}$. See section 2 of this Certificate.
Standard: Comment:	2.7	Spread on external walls The products are restricted by this Standard in some cases, with reference to clause $2.7.1^{(1)(2)}$. See section 2 of this Certificate.
Standard: Comment:	3.10	Precipitation The products will contribute to satisfying this Standard, with reference to clause $3.10.1^{(1)(2)}$. See section 3 of this Certificate.
Standard: Comment:	7.1(a)	Statement of sustainability The products can contribute to satisfying 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	Building standards – conversions All comments given for the products under Regulation 9, Standards 1 to 6, also apply to this Regulation, with reference to clause $0.12.1^{(1)(2)}$ and Schedule $6^{(1)(2)}$.
		 Technical Handbook (Domestic). Technical Handbook (Non-Domestic).
10		
	The Build	ing Regulations (Northern Ireland) 2012 (as amended)
Regulation: Comment:	The Build 23(1)(a)(i) (iii)(b)(i)	ing Regulations (Northern Ireland) 2012 (as amended) Fitness of materials and workmanship The products are acceptable. See sections 8 and 9 of this Certificate.
Regulation: Comment: Regulation: Comment:	The Build 23(1)(a)(i) (iii)(b)(i) 23(2)	 ing Regulations (Northern Ireland) 2012 (as amended) Fitness of materials and workmanship The products are acceptable. See sections 8 and 9 of this Certificate. Fitness of materials and workmanship The products are restricted by this Regulation in some cases. See section 2 of this Certificate.
Regulation: Comment: Regulation: Comment: Regulation: Comment:	The Build 23(1)(a)(i) (iii)(b)(i) 23(2) 28(b)	 ing Regulations (Northern Ireland) 2012 (as amended) Fitness of materials and workmanship The products are acceptable. See sections 8 and 9 of this Certificate. Fitness of materials and workmanship The products are restricted by this Regulation in some cases. See section 2 of this Certificate. Resistance to moisture and weather The products will contribute to satisfying this Regulation. See section 3 of this Certificate.
Regulation: Comment: Regulation: Comment: Regulation: Comment: Regulation: Comment:	The Build 23(1)(a)(i) (iii)(b)(i) 23(2) 28(b) 30	 ing Regulations (Northern Ireland) 2012 (as amended) Fitness of materials and workmanship The products are acceptable. See sections 8 and 9 of this Certificate. Fitness of materials and workmanship The products are restricted by this Regulation in some cases. See section 2 of this Certificate. Resistance to moisture and weather The products will contribute to satisfying this Regulation. See section 3 of this Certificate. Stability The products are acceptable. See section 1 of this Certificate.
Regulation: Comment: Regulation: Comment: Regulation: Comment: Regulation: Comment: Regulation: Comment:	The Build 23(1)(a)(i) (iii)(b)(i) 23(2) 28(b) 30 35(4)	ing Regulations (Northern Ireland) 2012 (as amended) Fitness of materials and workmanship The products are acceptable. See sections 8 and 9 of this Certificate. Fitness of materials and workmanship The products are restricted by this Regulation in some cases. See section 2 of this Certificate. Resistance to moisture and weather The products will contribute to satisfying this Regulation. See section 3 of this Certificate. Stability The products are acceptable. See section 1 of this Certificate. Internal fire spread — structure The products contribute to satisfying this Regulation in some cases. See section 2 of this Certificate.

Additional Information

NHBC Standards 2024

In the opinion of the BBA, Catnic Urban Wall Panel and Catnic Urban Seam Facade, if installed, used and maintained in accordance with this Certificate, can satisfy or contribute to satisfying the relevant requirements in relation to *NHBC Standards*, Chapter 6.9 *Curtain walling and cladding*.

Fulfilment of Requirements

The BBA has judged Catnic Urban Wall Panel and Catnic Urban Seam Facade to be satisfactory for use as described in this Certificate. The products have been assessed for use as a back-ventilated and drained rainscreen cladding system, to provide a protective and decorative façade over external walls in residential buildings above the DPC.

ASSESSMENT

Product description and intended use

The Certificate holder provided the following description for the products under assessment. Catnic Urban Wall Panel and Catnic Urban Seam Facade consists of the build-ups detailed in Table 1.

Table 1 Product build-up (from outside to in	nside)
Catnic Urban Wall Panel (see Figure 1)	Catnic Urban Seam Façade (see Figure 2)
 Colorcoat HPS200 Ultra⁽¹⁾ standing seam laid vertically or horizontally Vapour permeable membrane⁽⁴⁾ Minimum 15 mm OSB/3⁽⁴⁾ board Vertical timber batten supports⁽⁴⁾ at 600 mm maximum spacing Substrate wall⁽⁴⁾⁽⁶⁾ 	 Colorcoat Prisma⁽²⁾ standing seam laid vertically Trisobuild⁽³⁾D32S profiled carrier steel sheet laid horizontally Supporting metal sub-frame⁽⁴⁾ with vertical rails at maximum 600 mm centres, attached to wall brackets at maximum 600 mm vertical centres Insulation⁽⁴⁾⁽⁵⁾ within the sub-frame Substrate wall⁽⁴⁾ comprising steel-frame, insulation⁽⁵⁾, cement particle board sheathing board⁽⁵⁾, and plasterboard lining
(1) Steel sheet, subject of BBA Certificate 91/2	717, Product Sheet 8.

(2) Steel sheet, subject of BBA Certificate 91/2717, Product Sheet 2.

(3) Trisobuild is a registered trademark.

(4) Outside the scope of this Certificate.

(5) Minimum reaction to fire classification of A2-s1,d0 to BS EN 13501-1 : 2018.

(6) For use on structural insulated panel (SIP) system substrate walls; the SIP must have a minimum external OSB/3 thickness of 15 mm.







The specifications for the steel components are as follows:

Catnic Urban Wall Panel

• Colorcoat HPS200 Ultra standing seam (Figure 3) — profiled from 0.7 mm thick, Galvalloy, 95:5% zinc/aluminium alloy coated grade S280GD steel sheets, with a coating weight of 255 g·m⁻², manufactured to BS EN 10346 : 2015. The sheet is treated on the exposed face with a primer and the HPS200 Ultra plastisol coating to a total thickness of 200 μ m, with a 10 μ m thick polyester coating on the reverse face. The standing seam is available in maximum lengths of 12.5 m, each with nominal widths of 514 and 305 mm, and the colour range listed in Table 2.

Catnic Urban Seam Facade

- Colorcoat Prisma standing seam (Figure 3) profiled from 0.7 mm thick, Galvalloy, 95:5% zinc/aluminium alloy coated grade S280GD steel sheets, with a coating weight of 255 g·m⁻², manufactured to BS EN 10346 : 2015. It is available in two paint coating specifications (see Table 3). The standing seam is available in maximum lengths of 12.5 m, each with nominal widths of 514 and 305 mm, and the colour range listed in Table 4.
- Trisobuild D32S Profiled carrier steel sheet (see Figure 4) profiled from 0.7 mm thick, grade S280 + ZA80 hot dip zinc coated steel to BS EN 10346 : 2015. The profile comes in two finishes to the face side: S280 + Z150 galvanizing with a PE 15 (15 micron polyester) white liner finish or a S280 + Z275 plain galvanized finish. The reverse side is coated with 10 µm polyester or the same finish as the face side.

Figure 3 Standing seam profile





Table 2 Colorcoat HPS200 Ultra Standing Seam colour range

Colour/Colour category	BS	RAL	Colour/Colour category	BS	RAL
Signature			Classics		
Alaska Grey		7000	Barn Red		030 30 40
Albatross	18B17	240 80 05	Burano		3004
Anthracite		7016	Chili	04E56	3000
Ardenne		7022	Heritage Green		6002
Black	00E53	9005	lvy		170 20 10
Goosewing Grey	10A05	7038	Jade		150 50 20
Hamlet		9002	Juniper Green	12B29	140 20 20
Honesty	10C31	1015	Ocean Blue	18C39	220 30 25
Ice Blue		230 80 10	Petra	04D44	3013
Marlstone	10B15	1013	Raven		7021
Meadowland	12B17	100 80 20	Sargasso		5003
Merlin Grey	18B25	180 40 05	Solent Blue	18E53	240 40 40
Mole Brown		070 40 10	Terracotta	04C39	040 40 40
Moorland Green	12B21	100 60 20	Van Dyke Brown	08B29	8014
Mushroom	10B19	080 70 10	Wedgewood Blue	18C37	220 50 15
Olive Green	12B27	100 30 20	Matts		
Pure Grey		000 55 00	Alaska Grey Matt		7000
Straw		080 70 30	Anthracite Matt		7016
Svelte Grey	10B23	080 50 20	Green Grey Matt		150 40 10
White	00E55	9003	Oxidised Matt		050 20 10
			Terracotta Matt	04C39	040 40 40

Table 3 Colorcoat Prisma steel sheet paint coating specifications				
Front surface specification	Reverse surface			
	specification			
25 μm corrosion-resistant				
primer				
25 μm coloured layer				
incorporating polyamide				
beads	_			
15 μm protective clear top				
layer				
10 um corrosion-resistant	- 10 μm polyester			
primer				
20 µm coloured/	-			
base layer				
10 μm protective clear/				
coloured top layer				
	t Prisma steel sheet paint coatir Front surface specification 25 μm corrosion-resistant primer 25 μm coloured layer incorporating polyamide beads 15 μm protective clear top layer 10 μm corrosion-resistant primer 20 μm coloured/ base layer 10 μm protective clear/ coloured top layer			

Table 4 Colorcoat Prisma Standing Seam colour range

Colour	Nearest	Colour	Colour	Nearest	Colour	Colour	Nearest	Colour
	RAL No	Туре		RAL No	Туре		RAL No	Туре
Aquarius	(1)	Metallic	Alaska Grey	7000	Solid	Seren White	(1)	Elements
Ariana	(1)	Metallic	Anthracite	7016	Solid	Seren Silver	(1)	Elements
Atlantis	(1)	Metallic	Black	9005	Solid	Seren Gold	(1)	Elements
Ephyra	(1)	Metallic	Cream	1015	Solid	Seren Copper	(1)	Elements
Helios	(1)	Metallic	Hamlet	9002	Solid	Seren Black	(1)	Elements
Kronos	(1)	Metallic	Oxide Red	3009	Solid			
Orion	(1)	Metallic	Oyster	7035	Solid			
Pegasus	(1)	Metallic	Sargasso	5003	Solid			
Sirius	(1)	Metallic	Slate Grey	7012	Solid			
Zeus	(1)	Metallic	White	9010	Solid			
			White Matt	9010	Matt			
			Sirius Matt	9006	Matt			
			Orion Matt	9007	Matt			
			Zeus Matt	(1)	Matt			

(1) These colours do not have equivalent RAL references.

Colorcoat HPS200 Ultra and Colorcoat Prisma characteristics and declared performance in accordance with BS EN 14783 : 2013 are given in Table 5.

Table 5	Colorcoat HPS200	Ultra and	Colorcoat	Prisma	characteristics	ana	l declared	performance
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Characteristic	Performance
Yield strength (N·mm ⁻²)	0.7 mm sheet — 280
Tensile strength (N·mm ⁻²)	0.7 mm sheet — 360
Elongation (%)	0.7 mm sheet — 18
Water permeability	Impermeable
Dimensional change	12 x 10 ⁻⁶ K ⁻¹
Water vapour and air permeability	Impermeable
Release of dangerous substances	Not classified as dangerous
Durability	Coating S280+ZA255

Ancillary Items

The following ancillary items are essential to use with the products and have been assessed with the products:

Catnic Urban Wall Panel

 fixings — 3.3 mm shaft diameter by 40 mm in length by 7.4 mm head diameter nails (eg Z FRP40W3), for fixing Colorcoat HPS200 Ultra standing seam to OSB/3 board

Catnic Urban Seam Facade

- DS2 3.5 x 19 mm screws for fixing Colorcoat Prisma standing seam to Trisobuild D32S profiled carrier steel sheet at maximum 180 mm centres
- JT3-3 5.5 x 25 S16 screws Stainless steel grade 304 fastener with carbon steel drill point, for fixing the Trisobuild D32S profiled carrier steel sheet to the supporting metal sub-frame, and at 200 mm centres.

The Certificate holder recommends the following ancillary items for use with the products, but these materials have not been assessed by the BBA and are outside the scope of this Certificate:

Catnic Urban Wall Panel and Catnic Urban Seam Facade

- fire breaks
- insect mesh
- flashings eg at corners, drip flashing, coping flashing, etc.

Catnic Urban Wall Panel

- OSB/3 backing board (see section 9.1.9) to provide continuous/full support to the standing seam
- vapour permeable membrane
- fixings stainless steel wood screws, for fixing Colorcoat HPS200 Ultra standing seam to OSB/3 board.

Catnic Urban Seam Facade

- sheathing board (see section 9.1.11)
- insulation (see section 9.1.11)
- supporting metal sub-frame.

Product assessment – key factors

The products were assessed for the following key factors, and the outcome of the assessments is shown below. Conclusions relating to the Building Regulations apply to the whole of the UK unless otherwise stated.

1 Mechanical resistance and stability

1.1 <u>Resistance to impact</u>

1.1.1 The products were tested for resistance to hard and soft body impact, as shown in Table 6.

Table 6 Resistance to hard and soft body impact					
Product assessed	Assessment method	Requirement	Result		
 Catnic Urban Wall Panel: comprising panels 514 mm wide, fixed by round head nails at 300 mm centres 	MOAT 43 : 1987,	Hard body impact – MOAT 43 : 1987, Clause 3.3.1.3	Pass		
(except in the perimeter at 250 mm centres), to 18 mm OSB/3 boards	Clause 3.4.1	Soft body impact – MOAT 43 : 1987, Clause 3.3.1.2	Pass		
 Catnic Urban Seam Façade: 305 and 514 wide standing seam laid vertically Trisobuild D32S profiled carrier steel sheet laid horizontally. Vertical support rails at 600 mm centres, attached to wall bracket at 600 mm vertical centres 	CWCT Technical Note No. 75 and 76 : 2012	CWCT Technical Note No. 76 : 2012, Tables 1 and 2	 Hard body impact: 3 Joules impact – Class 1 serviceability performance, negligible risk safety performance 6 Joules impact – Class 2 serviceability performance 10 Joules impact – Class 3 serviceability performance, negligible risk safety performance 20 Joules impact – Class 1 serviceability performance. 350 Joules impact – Negligible risk safety performance. 500 Joules impact – Negligible risk safety performance. 		

1.1.2 On the basis of data assessed, Catnic Urban Wall Panel is considered suitable for use in exposure classifications E_2 , E_1^2 , E_3 , E_4 and E_5 as defined in MOAT 43 : 1987, Table 3.1 (reproduced in Table 7 of this Certificate).

Table 7 C	Classification accordin	g to exposure	to external im	pacts (re	produced	from MOAT	43 : 1987)
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Category	Description	Examples of components ⁽¹⁾
E ₂	Readily accessible to public and others with little	Walls adjacent to pedestrian thoroughfares or
	incentive to exercise care. Chance of accident occurring	playing fields, up to 1.5 m above pedestrian
	and of misuse	level, but not in vandal prone locations
E ¹ 2	Above zone of normal impacts from people but liable to	1.5 m to 6 m above pedestrian level at location
	impacts from thrown or kicked objects	category E ₂
E ₃	Accessible primarily to those with some incentive to	Walls adjacent to private open gardens. Back
	exercise care. Some chance of accident occurring or of	walls of access galleries or balconies, up to 1.5
	misuse	m above pedestrian level
E4	Only accessible, but not near a common route, to those	Walls adjacent to small fenced decorative
	with high incentive to exercise care. Small chance of	gardens with no through paths
	accident occurring or of misuse	
E ₅	Above zone of normal impacts from people and not	Locations similar to E ₂ , but over 6 m above
	exposed to impact from thrown or kicked objects	pedestrian level. Locations similar to E_3 and E_4
		but over 1.5 m above pedestrian level

(1) The height of 1.5 m corresponds to the region where human impacts with the energies established in Table 2.1 are likely to occur in normal buildings.

1.1.3 On the basis of data assessed, Catnic Urban Seam Façade is considered suitable for use in Impact Use Categories I, II, III and IV as defined in EAD 090062-00-0404 : 2018, Table G.2 (reproduced in Table 8 of this Certificate).

Table 8 Impact Use Categories (reproduced from EAD 090062-00-0404 : 2018)				
Use Category	Description			
1	A zone readily accessible at ground level to the public and vulnerable to hard body			
	impacts but not subjected to abnormally rough use.			
П	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.			

1.2 Wind loading

1.2.1 Data were assessed for the Catnic Urban Wall Panel, as shown in Table 9.

Table 9 Ultimate wind load resistance of Catnic Urban Wall Panel⁽¹⁾⁽²⁾⁽³⁾

	,		
Product assessed	Assessment method	Requirement	Result
Colorcoat HPS200 Ultra		Value achieved	7.74 kN.m ⁻²
standing seam – 305 width	Calculations ⁽⁴⁾		
Colorcoat HPS200 Ultra	Calculations	Value achieved	0.96 kN.m ⁻²
standing seam – 514 width			
	1		

(1) fixing centres must not exceed 200 mm.

(2) design of the panel must be such as to limit the mid-span deflections under succession pressure to L/100 or 20 mm, whichever is the lesser.

(3) The designer must apply appropriate factors to the ultimate values to derive the design wind load resistance of the products.

(4) Thin Plate Design For Transverse Loading.

1.2.2 Data were assessed for the Catnic Urban Seam Façade, as shown in Table 10.

Table 10 Wind load resistance for Catnic Urban Seam Façade

	-		
Product assessed	Assessment method	Requirement	Result
Catnic Urban Seam Facade comprising:	CWCT Test 11	2.4 kN.m ⁻² (serviceability)	Pass
 Colorcoat Prisma standing seam fixed to Trisobuild D32S profiled carrier steel sheet with DS2 3.5 x 19 mm screws at 180 mm centres Trisobuild D32S profiled carrier steel sheet fixed to supporting metal subframe vertical rails (at 600 mm centres), with JT3-3 5.5 x 25 S16 screws at 200 mm centres Supporting metal sub-frame vertical 	CWCT Test 12	3.6 kN.m ⁻² (safety)	Pass
rails at 600 mm centres, fixed to sub-			
frame wall brackets at 600 mm			
vertical centres			

1.3 Behaviour under loading

1.3.1 Data were assessed for the characteristic pull-out strength of the Catnic Urban Wall Panel fixings, used for attaching the Colorcoat HPS200 Ultra standing seam to the OSB/3 board, as shown in Table 11.

Table 11 Characteristic pull-out resistance (kN) of fixings				
Product assessed	Assessment method	Requirement	Result	
Z-FRP40W3 nail ⁽¹⁾ from		Value achieved	0.87 kN	
15 mm OSB3 board	RRA internal method			
Z-FRP40W3 nail ⁽¹⁾ from	BBA Internal method	Value achieved	0.87 kN	
18 mm OSB3 board				

(1) 3.3 mm shaft diameter x 40 mm long x 7.4 mm diameter head nails.

1.3.2 Data were assessed for the characteristic pull-through strength of the Catnic Urban Wall Panel fixings, used for attaching the Colorcoat HPS200 Ultra standing seam to the OSB3 board, as shown in Table 12.

Table 12 Characteristic pull-through resistance (kN) of fixings				
Product assessed	Assessment method	Requirement	Result	
Z-FRP40W3 nail ⁽¹⁾ ,	BS EN 1383 : 1999	Value achieved	1.00 kN	
through Colorcoat				
HPS200 Ultra standing				
seam and 18 mm OSB3				
board				

(1) 3.3 mm shaft diameter x 40 mm long x 7.4 mm diameter head nails.

1.3.3 For the Catnic Urban Wall Panel, the designer must ensure the design resistances of both the Colorcoat HPS200 Ultra standing seam (to be derived from ultimate values in Table 9) and that provided by the fixings (to be derived from the characteristic values in Tables 11 and 12) are not exceeded by the design wind action.

2 Safety in case of fire

Data were assessed for the following characteristics.

2.1 <u>Reaction to fire</u>

2.1.1 The products achieved the reaction to fire classifications given in Table 13.

Product	Construction	Method	Result
Catnic Urban	With an airgap over any substrate \geq 800 kg·m ⁻³	BS EN 13501-1 : 2007	A1
Seam Façade (all	and <u>></u> 6 mm thick, includes Trisobuild D32S ⁽²⁾		
colours)			
Trisobuild D32S	-	BS EN 1090-1 : 2009	A1
Profiled carrier			
steel sheet			
Catnic Urban Wall	Product installed over a vapour permeable	BS EN 13501-1 : 2018	C-s2, d0
Panel (all colours)	membrane onto 15 mm or 18 mm OSB/3,		
	with an air gap of 50 mm behind the OSB		
	(created by timber battens) over any		
	substrate with a density ≥ 510 kg·m³, having		
	a minimum thickness of 10 mm and a fire		
	performance of D-s2, d0 or better		

Table 13 Reaction to fire classification – Catnic Urban Seam Façade and Catnic Urban Wall Panel

2.1.2 The classification and permissible areas of use of other constructions must be established by a suitably experienced and competent individual in accordance with the documents supporting the national Building Regulations.

2.1.3 On the basis of data assessed, the constructions in Table 13 achieving A1 (and where other components are at least A2-s1, d0) are unrestricted in terms of building height and proximity to a relevant boundary.

2.1.4 On the basis of the data assessed, the constructions in Table 13 achieving C-s2, d0 are unrestricted in terms of building height and proximity to a relevant boundary, except on the buildings described in sections 2.1.4.1 to 2.1.4.3 of this Certificate.

2.1.4.1 In England, the products must not be used on buildings that have a storey more than 18 m above ground level and which contain one or more dwellings, an institution, a room for residential purposes, student accommodation, care homes, sheltered housing, hospitals and dormitories in boarding schools. In addition, the products must not be used at a height more than 18 m above ground level on other buildings or on residential buildings that are more than 11 m in height or less than 1 m from a relevant boundary. The products must also be included in calculations of unprotected areas.

2.1.4.2 In Wales and Northern Ireland, the products must not be used on buildings that have a storey more than 18 m above ground level and which contain one or more dwellings, an institution, a room for residential purposes (excluding any room in a hostel, hotel or boarding house), student accommodation, care homes, sheltered housing, hospitals and dormitories in boarding schools and, additionally in northern Ireland, nursing homes and places of lawful detention. In addition, the products must not be used less than 1 m from a relevant boundary and must also be included in calculations of unprotected areas.

2.1.4.3 In Scotland, the products must not be used 1 m or less from a relevant boundary or on buildings with a storey 11 m or more above the ground or on entertainment, assembly, hospital or residential care buildings. These products must also be included in calculations of unprotected areas.

2.1.5 Designers must refer to the relevant national Building Regulations and guidance for detailed conditions of use, particularly in respect of requirements for substrate fire performance, cavity barriers, service penetrations and combustibility limitations for other materials and components used in the overall wall construction.

2.2 <u>Resistance to fire</u>

Where a wall incorporating the products is required to achieve a period of fire resistance, its performance must be confirmed by a suitably experienced and competent individual or by a test from a suitably accredited laboratory.

3 Hygiene, health and the environment

Data were assessed for the following characteristics.

3.1 Weathertightness

3.1.1 Data was assessed, as shown in Table 14.

Table 14 Dynamic watertightness test				
Product assessed	Assessment method	Requirement	Result	
Catnic Urban Seam Facade	CWCT Standards	 CWCT Standards: No water penetration to the internal face of the backing wall throughout the test. At the completion of the test there must be no standing water in locations intended to remain dry 	Pass	

3.1.2 On the basis of the data assessed, Catnic Urban Seam Facade when incorporated into a cladding system designed, installed, and maintained in accordance with conventional good practice as per section 9 of this Certificate, will adequately resist the passage of moisture. Any moisture collecting in the cavity due to condensation will be removed by drainage and ventilation.

3.1.3 The design of both products was assessed against the requirements of EAD 090062-00-0404. The products are suitable for use in back-ventilated and drained cladding systems.

3.1.4 Designers and installers must take particular care in detailing around openings, penetrations and movement joints to minimise the risk of rain ingress.

4 Safety and accessibility in use

Not applicable.

5 Protection against noise

Not applicable.

6 Energy economy and heat retention

Not applicable.

7 Sustainable use of natural resources

Data were assessed for the following characteristics.

7.1 Reuse and recyclability

The products contain steel components, which can be recycled.

8 Durability

8.1 The potential mechanisms for degradation and the known performance characteristics of the materials in these products were assessed.

8.2 Durability

8.2.1 Specific test data were assessed, as shown in Table 15.

Table 15 : Durability tests			
Product assessed	Assessment method	Requirement	Result
Colorcoat Prisma sheet	Cross cut adhesion to	Classification to BS EN ISO	Classification "0"
	substrate to BS EN ISO	2409 : 1995, Table 1	
	2409 : 1995, before and		
	after UV ageing to BS EN		
	ISO 4892-3 : 2000		
Colorcoat Prisma sheet	Resistance to abrasion – to	Value achieved	Wear index @ 1000 cycles
	American Federation		= 46.0 mg
	Specification TT-P-141		
	method 6192, using CS17		
	wheels and 500 g weight		
Colorcoat Prisma sheet	Resistance to scratching –	Value achieved	Maximum load with no
	to BS EN ISO 1518 : 2001		penetration of coating =
			3.0 kg
Colorcoat Prisma sheet	Resistance to artificial	Value achieved	• $\Delta E = 0.57 - 2.08$
	weathering in accordance		(washed)
	with BS EN ISO 4892-3 :		• $\Delta E = 0.37 - 2.09$
	2000 and determination of		(unwashed)
	colour change in		
	accordance with BS 3900		
	Parts D8. D9 & D10 : 1986		

Table 15 : Durability tests	(continued)		
Product assessed	Assessment method	Requirement	Result
Colorcoat Prisma sheet	Resistance to salt-spray – to BS EN ISO 9227 : 2006	Value achieved	Mean corrosion creep distance: • After 500 hours exposure = 3 mm • After 1000 hours
			exposure = 7 mm
Colorcoat Prisma sheet	Resistance to sulfur dioxide – to BS EN ISO 3231 : 2006	Value achieved	No obvious change in appearance after 10 cycles
Colorcoat Prisma sheet	Resistance to marking and staining – to BS EN ISO 2812-1 : 1995	Value achieved	Stains removable by cleaning with detergent or methylated spirit
Colorcoat Prisma sheet	Ease of forming – to BS EN 13523-7 : 2001	BS EN 13523-7 : 2001, Figure 7 (minimum bending radius to which the test specimen can be bent without cracking or without loss of adhesion)	ОТ
Colorcoat Prisma sheet	Impact resistance (with 1kg indenter and 100 mm drop height) – to BS EN ISO 6272-1 : 2004	No cracking to coating or the substrate	Pass
Colorcoat HPS200 Ultra sheet	Cross cut adhesion to substrate to BS EN ISO 2409 : 1995, before and after UV ageing to BS EN ISO 4892-3 : 2000	Classification to BS EN ISO 2409 : 1995, Table 1	Classification "0"
Colorcoat HPS200 Ultra sheet	Resistance to abrasion – to American Federation Specification TT-P-141 method 6192, using CS17 wheels and 500 g weight	Value achieved	Wear index @ 1000 cycles = 11.4 mg
Colorcoat HPS200 Ultra sheet	Resistance to artificial weathering in accordance with BS EN ISO 4892-3 : 2000 and determination of colour change in accordance with BS 3900 Parts D8, D9 & D10 : 1986	Value achieved	 ΔE = 1.55 (washed and unwashed) – for 2000 total hours ΔE = 1.95 (washed) – for 4000 total hours ΔE = 1.84 (unwashed) – for 4000 total hours
Colorcoat HPS200 Ultra sheet	Resistance to water immersion – to BS EN 13523-9 : 2001	Value achieved	No degradation after 56 days
Colorcoat HPS200 Ultra sheet	Resistance to salt spray – to BS EN ISO 9227 : 2006	Value achieved	Mean corrosion creep distance: • After 500 hours exposure = 3 mm • After 1000 hours exposure = 5 mm No corrosion from scribed lines after 1000 hours
Colorcoat HPS200 Ultra sheet	Resistance to sulfur dioxide – to BS EN ISO 3231 : 2006	Value achieved	No obvious change in appearance after 10 cycles

Table 15 : Durability tests	(continued)		
Product assessed	Assessment method	Requirement	Result
Colorcoat	Resistance to marking and	Value achieved	Stains removable by
HPS200 Ultra sheet	staining – to BS EN ISO		cleaning with methylated
	2812-4 : 2007		spirit
Colorcoat	Ease of forming – to BS EN	BS EN 13523-7 : 2001,	ОТ
HPS200 Ultra sheet	13523-7 : 2001	Figure 7 (minimum	
		bending radius to which	
		the test specimen can be	
		bent without cracking or	
		without loss of adhesion)	
Colorcoat	Impact resistance (with 1	No cracking to coating or	Pass
HPS200 Ultra sheet	kg indenter and 1 m drop	the substrate	
	height) – to BS EN ISO		
	6272-1 : 2004		

8.2.2 The standing seams are resistant to all normal atmospheric corrosive agents (including those found in coastal and industrial locations) and will withstand distortion without loss of adhesion between Colorcoat HPS200 Ultra/ Colorcoat Prisma coating, the primer and the steel substrate.

8.2.3 The surface coating and metal treatment on Colorcoat HPS200 Ultra standing seam (outer sheet of Catnic Urban Wall Panel) and Colorcoat Prisma standing seam (outer sheet of Catnic Urban Seam Façade) will protect the steel substrate against corrosion for a period in excess of 40 years in normal industrial, urban, suburban and rural environments.

8.2.4 The performance of the coating will depend on its environment, location, aspect face and use. Catnic Urban Wall Panel will retain a good appearance for at least 25 years in non-corrosive environments and at least 20 years in coastal or severe industrial environments. Colorcoat Prisma standing steam treated with Solid, Metallic and Matt coating ranges will retain a good appearance for at least 30 years in non-corrosive environments and at least 20 years in coastal or severe industrial environments, while it will retain a good appearance for at least 30 years in non-corrosive environments and at least 20 years in coastal or severe industrial environments, while it will retain a good appearance for at least 25 years in non-corrosive environments and at least 15 years in coastal or severe industrial environments when coated with the Elements range.

8.3 Service life

Under normal service conditions, the products will have a life of at least 25 years as wall cladding, provided they are designed, installed and maintained in accordance with this Certificate and the Certificate holder's instructions.

PROCESS ASSESSMENT

Information provided by the Certificate holder was assessed for the following factors:

9 Design, installation, workmanship and maintenance

9.1 <u>Design</u>

9.1.1 The design process was assessed by the BBA, and the following requirements apply in order to satisfy the performance assessed in this Certificate.

9.1.2 Design wind actions must be calculated by a suitably experienced and competent individual in accordance with BS EN 1991-1-4 : 2005 and its UK National Annex. Due consideration must be given to higher pressure coefficients applicable to corners of the building as recommended in this Standard (see Annex A.1 of this Certificate).

9.1.3 The adequacy of the substrate wall to which the products are fixed is outside the scope of this Certificate and must be verified by a suitably experienced and competent individual. It must have sufficient strength to resist independently the loads imparted directly by the products, wind actions and any in-plane force effects. It must be weathertight and reasonably airtight and designed and constructed in accordance with the requirements of the

national Building Regulations and Standards given below. The contribution of the products to the stability of the substrate wall is assumed to be negligible:

- masonry walls must be designed and constructed in accordance with the relevant recommendations of BS EN 1996-1-1 : 2022, BS EN 1996-1-2 : 2005, BS EN 1996-2 : 2006 and BS EN 1996-3 : 2023, and their UK National Annexes, PD 6697 : 2019, BS 8000-0 : 2014 and BS 8000-3 : 2020
- concrete walls must be designed and constructed in accordance with BS EN 1992-1-1 : 2023 and BS EN 1992-1-2 : 2023, and their UK National Annexes
- steel-frame walls must be designed and constructed in accordance with BS EN 1993-1-1 : 2022, BS EN 1993-1-2 : 2005 and BS EN 1993-1-3 : 2006, and their UK National Annexes.
- timber-frame walls must be designed and constructed in accordance with BS EN 1995-1-1 : 2004 and BS EN 1995-1-2 : 2004 and their UK National Annexes, and PD 6693-1 : 2019, with workmanship in accordance with BS 8000-5 : 1990, and preservative-treated in accordance with BS EN 351-1 : 2023 and BS 8417 : 2011.

9.1.4 The design and installation of the products must be checked by a suitably competent and experienced individual. The designer must ensure that:

- the sub-frame (layout and profile sizes chosen) is designed in accordance with the relevant codes and Standards, has adequate resistance to the applied actions and is such as to limit mid-span deflections to span/200 and cantilever deflections to span /150
- the fixings between subframe components have adequate resistance to the applied actions
- the fixing of the subframe support to the supporting wall has adequate tensile pull-out strength and corrosion resistance (outside the scope of this Certificate). An appropriate number of site-specific pull-out tests must be conducted on the wall as appropriate to determine the minimum pull-out resistance to failure of the fixings, as well as their characteristic pull-out resistance in accordance with the guidance given in BS EN 1990 : 2023.

9.1.5 To allow for thermal movement, the fixings must be of the correct size as specified in *Product description and intended use* section of this Certificate, located centrally in the standing seam strip slotted holes with adequate clearance, and must not bear too tightly against the plate. Horizontal movement joints must be incorporated to allow for vertical movement in the structure (see Figure 7).

9.1.6 Ventilation and drainage must be provided behind the cladding products. The clear cavity between the back of the cladding and front of the substrate wall (or insulation if installed within the cavity) must be at least 50 mm wide. It must be ensured that a minimum ventilation area of 5000 mm².m⁻¹ run of cladding is provided at the building base point and at the roof edge. Ventilation pathway behind the cladding must not be allowed to become blocked and ventilation openings around the periphery must be suitably protected, or baffled, to prevent the ingress of birds, vermin and rain.

9.1.7 Any insulation installed in the cavity behind the cladding must be suitably fixed to the supporting wall. It must be resistant to or be protected from weather conditions during the complete life cycle of the cladding system and, where its performance could be diminished by moisture, a suitable vapour permeable membrane must be provided over its outer face. The performance of these ancillary components is outside the scope of this Certificate.

Catnic Urban Wall Panel

9.1.8 An effective vapour permeable membrane must be included between the OSB/3 board and Colorcoat HPS200 Ultra standing seam.

9.1.9 The OSB/3 backing board must be 15 or 18 mm thick and manufactured to BS EN 300 : 2006.

9.1.10 The design thickness of the OSB/3 backing board (greater than 15 mm if required), and the vertical support spacing must be such as to cope with wind actions likely to be experienced.

Catnic Urban Seam Facade

9.1.11 The sheathing board and insulation must have a minimum reaction to fire classification of A2-s1, d0 to BS EN 13501-1 : 2018.

9.2 Installation

9.2.1 Installation instructions provided by the Certificate holder were assessed and judged to be appropriate and adequate.

9.2.2 Installation must be carried out in accordance with this Certificate and the Certificate holder's instructions. A summary of instructions and guidance is provided in Annex A.

9.3 Workmanship

Practicability of installation was assessed by the BBA, on the basis of the Certificate holder's information. To achieve the performance described in this Certificate, installation of the products must be carried out by installers who have been trained by the Certificate holder.

9.4 Maintenance and repair

9.4.1 Ongoing satisfactory performance of the products in use requires that it is suitably maintained. The guidance provided by the Certificate holder was assessed by the BBA and found to be appropriate and adequate.

The following requirements apply in order to satisfy the performance assessed in this Certificate:

9.4.2 Annual maintenance inspections must be carried out to ensure that all rain ware is present and in good order, flashings are secure and pans are in place and secure.

9.4.3 Maintenance painting must be considered at intervals defined in section 8.2.4, or earlier if inspections show this to be necessary or if a higher aesthetic standard is required. For suitable paint systems, the advice of the Certificate holder must be sought, but such advice is outside the scope of this Certificate.

9.4.4 In some areas (eg coastal and industrial), it may be necessary to clean the installation periodically, both to restore its appearance and to remove potentially corrosive deposits. Hosing with a neutral detergent diluted with water is an effective method.

9.4.5 Damaged panels must be replaced as soon as is practicable, in accordance with the Certificate holder's instructions.

10 Manufacture

10.1 The production processes for the products have been assessed, and provide assurance that the quality controls are satisfactory according to the following factors:

10.1.1 The manufacturer has provided documented information on the materials, processes, testing and control factors.

10.1.2 The quality control operated over batches of incoming materials has been assessed and deemed appropriate and adequate.

10.1.3 The quality control procedures and product testing to be undertaken have been assessed and deemed appropriate and adequate.

10.1.4 The process for management of non-conformities has been assessed and deemed appropriate and adequate.

10.1.5 An audit of each production location was undertaken, and it was confirmed that the production process was in accordance with the documented process, and that equipment has been properly tested and calibrated.

† 10.2 The BBA has undertaken to review 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.

11 Delivery and site handling

11.1 The Certificate holder stated that the Colorcoat HPS200 Ultra and Colorcoat Prisma standing seams, and Trisobuild D32S profiled carrier steel sheets are delivered to site in pre-specified lengths according to the dimensions of the wall on which they are to be installed. They are palleted in packs of up to 20 sheets depending on length and weight, and are delivered in packaging bearing the steel coil identification tag, colour, part number, part description, number of standing seams, and their width and lengths.

11.2 Delivery and site handing must be performed in accordance with the Certificate holder's instructions and this Certificate, including:

11.2.1 Delivery is normally by lorry and unloading carried out by crane or moffett. The site must have adequate access and a suitable surface for this traffic.

11.2.2 During transport, the standing seams/ Trisobuild D32S profiled carrier steel sheets must be suitably restrained to prevent abrasion, and their edges and corners protected against damage.

11.2.3 The standing seams/ Trisobuild D32S profiled carrier steel sheets must be stored on a firm, dry base, on bearers with a maximum spacing of 900 mm, away from the possibility of damage, and suitably protected. They must be stored as close as possible to the building where they are to be installed.

11.2.4 The standing seams/ Trisobuild D32S profiled carrier steel sheets must be handled in accordance with the Manual Handling Operations Regulations 1992 ('as amended' version). The panels must be lifted from the stack rather than dragged across it.

11.2.5 When being moved by hand, the standing seams/ Trisobuild D32S profiled carrier steel sheets must be turned and carried on their edge using appropriate personal protective equipment (PPE).

11.2.6 Where possible, the standing seams/ Trisobuild D32S profiled carrier steel sheets must be lifted manually in the vertical position in single sheets to fix onto the wall. If a hoist is required, only suitable slings or ropes must be used, not chains. Care must be taken to avoid distortion due to bending.

ANNEX A – SUPPLEMENTARY INFORMATION†

Supporting information in this Annex is relevant to the products but has not formed part of the material assessed for the Certificate.

<u>Construction (Design and Management) Regulations 2015</u> 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.

CE marking

The Certificate holder has taken the responsibility of CE marking the Catnic Urban sheet in accordance with harmonised European Standard EN 14783 : 2013 (for the 514 and 305 mm cover width).

Management Systems Certification for production

The management system of the manufacturer has been assessed and registered as meeting the requirements of BS EN ISO 9001 : 2015 by Lloyd's Register Quality Assurance Limited (Certificate 10052850).

Additional Guidance

A.1 In accordance with BS EN 1990 : 2023 and its UK National Annex, it is recommended that a partial load factor of 1.5 is applied to the calculated wind actions to determine the design wind load to be resisted by the products (see section 9.1.2 of this Certificate).

Additional information on installation

Installation must be in accordance with the Certificate holder's recommendations, the requirements of this Certificate and specifications laid down by the consulting engineer.

Catnic Urban Wall Panel:

A.2 The already fitted, OSB/3 wall dimensions are checked against the drawings and for squareness.

Catnic Urban Seam Façade:

A.3 The Trisobuild D32S profiled carrier steel sheets are fitted to the vertical helping hand rail (see Figure 2) using the fixings specified in the *Product description and intended use* section of this Certificate.

General:

A.4 The window flashings, bottom drip, wall eave and drip dimensions are checked and should be placed in the correct sequence before installing the products.

A.5 Working from the right or left hand end of the wall (as viewed from ground level), the first standing seam is cut or formed and installed with the leading edge in line with the wall edge and its nail strip on the opposite edge.

A.6 For detailing around windows and doors, the manufacturer's guidance and processes based on work instructions available must be followed.

A.7 The next standing seam is clipped onto the first and secured at the predetermined fixing centres, ensuring its rib is parallel with that of the first. Subsequent standing seams are similarly fitted.

A.8 Once the penultimate standing seam has been installed, the left or right hand end sheet can be fitted to suit the wall edge, and the corner detail completed.

A.9 To minimise thermal expansion in hot, sunny weather, the standing seams should be protected from direct sunlight until ready for use. Conversely, when installing in cold weather, the pan of the sheet should be flattened before fixing down.

A.10 To ensure good weathertightness and efficient rainwater run-off, all components such as edge details and sealants should be used in accordance with the Certificate holder's specifications and manufacturer's instructions.

A.11 The Certificate holder offers design and installation advice before, during and after installation, and can supply the necessary equipment, but such assistance is outside the scope of this Certificate.

A.12 Typical installation details are shown in Figures 5 to 7.







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BS 8000-0 : 2014 Workmanship on construction sites — Introduction and general principles BS 8000-3 : 2020 Workmanship on construction sites — Masonry — Code of practice BS 8000-5 : 1990 Workmanship on building sites – Code of practice for carpentry, joinery and general fixings

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

BS EN 300 : 2006 Oriented Strand Boards (OSB) — Definitions, classification and specifications

BS EN 351-1 : 2023 Durability of wood and wood-based products — Preservative-treated solid wood — Classification of preservative penetration and retention

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BS EN 1990 : 2023 Eurocode — Basis of structural and geotechnical design NA to BS EN 1990 : 2002 + A1 : 2005 UK National Annex for Eurocode — Basis of structural design

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

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BS EN 13523-7 : 2001 Coil coated metals — Test methods — Resistance to cracking on bending (T-bend test) BS EN 13523-9 : 2001 Coil coated metals — Test methods — Resistance to water immersion

BS EN ISO 1518 : 2001 Methods of test for Paints — Scratch test

BS EN ISO 2409 : 1995 Paints and varnishes — Cross-cut test

BS EN ISO 2812-1 : 1995 Paints and varnishes — Determination of resistance to liquids — General methods BS EN ISO 2812-4 : 2007 Paints and varnishes — Determination of resistance to liquids — Spotting methods BS EN ISO 3231 : 2006 Paints and varnishes — Determination of resistance to humid atmospheres containing sulfur dioxide

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Conditions of Certificate

Conditions

1 This Certificate:

- relates only to the product 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.

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.

3 This Certificate will be displayed on the BBA website, and the Certificate Holder is entitled to use the Certificate and Certificate logo, provided that the product 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.

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

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

6 Any information relating to the manufacture, supply, installation, use, maintenance and removal of this product which is contained or referred to in this Certificate is the minimum required to be met when the product 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.

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