



Designated by Government
to issue
European Technical
Approvals

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**Agrément
Certificate
No 87/1964**

Fourth issue*

REYNOLUX COATED ALUMINIUM SHEET AND COIL

Bande ou tôles d'aluminium prélaqué
Einbrennlackiertes Aluminiumband

Product



Typical application of coil-coated aluminium

• THIS CERTIFICATE RELATES TO REYNOLUX COATED ALUMINIUM SHEET AND COIL AS DESCRIBED IN THE ACCOMPANYING DETAIL SHEETS.


The products may be:

- profiled by roll-forming for use as external roofing, cladding or internal lining, in accordance with the documents listed in section 1.3 of this Certificate
- brake-pressed into the associated flashings and fittings
- used as flat sheet.

These Front Sheets must be read in conjunction with the accompanying Detail Sheets, which provided information specific to the products.

Regulations

1 The Building Regulations 2000 (as amended) (England and Wales)

 The Secretary of State has agreed with the British Board of Agrément the aspects of performance to be used by the BBA in assessing the compliance of profiled sheets for roofing and cladding with the Building Regulations. In the opinion of the BBA, Reynolux Coated Aluminium Sheet and Coil, if used in accordance with the provisions of this Certificate, will meet or contribute to meeting the relevant requirements.

Requirement: B2(1)

Internal fire spread (linings)

Comment:

The products meet this Requirement. See section 3.2 of the appropriate Detail Sheet.

Requirement: B3(4)

Internal fire spread (structure)

Comment:

The roof space and concealed cavities should be subdivided in accordance with this Requirement. See section 3.3 of the appropriate Detail Sheet.

Requirement: B4(1)(2)

External fire spread

Comment:

The products, when installed in accordance with this Certificate, meet these Requirements. See sections 3.1 and 3.2 of the appropriate Detail Sheet.

Requirement: C4

Resistance to weather and ground moisture

Comment:

The products, when installed in accordance with this Certificate, meet this Requirement.

continued

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Requirement:	Regulation 7	Materials and workmanship
Comment:	The products are acceptable. See sections 12.1 and 12.2 of these Front Sheets and section 5.1 of the appropriate Detail Sheet.	

2 The Building Standards (Scotland) Regulations 1990 (as amended)



In the opinion of the BBA, Reynolux Coated Aluminium Sheet and Coil, if used in accordance with the provisions of this Certificate, will satisfy or contribute to satisfying the various Regulations and related Technical Standards as listed below.

Regulation:	10	Fitness of materials and workmanship
Standard:	B2.1	Selection and use of materials, fittings, and components, and workmanship
Comment:	The products can contribute to a construction meeting this Standard. See the <i>Installation</i> part of this Certificate.	
Standard:	B2.2	Selection and use of materials, fittings, and components, and workmanship
Comment:	The product is an acceptable material. See sections 12.1 and 12.2 of these Front Sheets and section 5.1 of the appropriate Detail Sheet.	
Regulation:	12	Structural fire precautions
Standards:	D6.2 and D6.3	Concealed spaces — Principles
Standard:	D6.8	Concealed spaces — Junctions
Comment:	The roof space and concealed spaces should be subdivided in accordance with these Standards. The products are defined as low risk materials. See sections 3.2 and 3.3 of the appropriate Detail Sheet.	
Standard:	D7.1	Fire spread on internal linings — Principles
Standard:	D9.1	Fire spread from an adjoining building
Standard:	D10.1	Fire spread on an external wall
Comment:	The products can satisfy these Standards. See sections 3.1 and 3.2 of the appropriate Detail Sheet.	
Regulation:	17	Resistance to moisture
Standard:	G3.1	Resistance to precipitation — Resistance to precipitation
Comment:	The products satisfy this Standard when installed in accordance with this Certificate.	

3 The Building Regulations (Northern Ireland) 2000



In the opinion of the BBA, Reynolux Coated Aluminium Sheet and Coil, if used in accordance with the provisions of this Certificate, will satisfy or contribute to satisfying the various Building Regulations as listed below.

Regulation:	B2	Fitness of materials and workmanship
Comment:	The products are acceptable. See sections 12.1 and 12.2 of these Front Sheets and section 5.1 of the appropriate Detail Sheet.	
Regulation:	C4	Resistance to ground moisture and weather
Comment:	When installed in accordance with this Certificate the products can be used to satisfy this Regulation.	
Regulation:	E3	Internal fire spread — Linings
Comment:	The products have a Class 0 surface as defined in Technical Booklet E : 1994 : Section 2.4, and are unrestricted under this Regulation. See section 3.2 of the appropriate Detail Sheet.	
Regulation:	E4	Internal fire spread — Structure
Comment:	The roof space and concealed cavities should be subdivided in accordance with this Regulation. See section 3.3 of the appropriate Detail Sheet.	
Regulation:	E5	External fire spread
Comment:	The products are unrestricted under this Regulation. See sections 3.1 and 3.2 of the appropriate Detail Sheet.	

Information in this Certificate may assist the client, planning supervisor, designer and contractors to address their obligations under these Regulations.

See section:

7 Delivery and site handling (7.4) of these Front Sheets.

Technical Specification

5 Description

5.1 Reynolux Coated Aluminium Sheet and Coil are coated on the face side with the coating described in the appropriate Detail Sheet and the reverse side, with either a 5 µm lacquer coating, or with the same specification as the face side.

5.2 Each paint finish is available in its own range of standard colours, details of which can be obtained from the Certificate holder.

5.3 Coils are available in standard sizes 0.45 mm to 2.00 mm thick and up to 1.55 m wide. Other thicknesses are available, but are not usually used in building.

6 Manufacture

6.1 In a coil-coating process, aluminium coil (grade EN AW-3004 or EN AW-3105 to BS EN 573-3 : 1995, or an agreed alternative specification) is degreased, chemically pre-treated and coated on the face side with a material to the specification described in the appropriate Detail Sheet. The reverse side is either coated with lacquer or with the same material as the face side.

6.2 Quality control tests are carried out on incoming paint and tests are carried out on the finished product to determine:

- paint film thickness
- impact resistance
- gloss
- colour and adhesion
- bend flexibility.

6.3 Reference tests are carried out to determine the resistance to salt spray, sulphur dioxide, hot water, humidity and artificial weathering.

7 Delivery and site handling

7.1 The products are not normally delivered to site in coil form⁽¹⁾, but are formed into profiled sheets and flashings by specialist forming companies.

(1) Exceptionally, specialist companies may roll-form the products on site.

7.2 The profiled sheet is normally delivered to site on trailers and unloaded by crane. The site must

have adequate access and a suitable surface for this traffic.

7.3 During transport, the edges and corners of the sheets must be protected against damage, and the sheets should be restrained to prevent abrasion.

7.4 On site, sheets should be stored on a firm, dry base, on bearers at a maximum spacing of 900 mm, away from the possibility of damage, and covered to prevent the ingress of water. They should be stored as close as possible to the building where they are to be installed and handled in accordance with the Manual Handling Operations Regulations 1992.

7.5 When required for installation, the sheets should be lifted from the stack, rather than dragged across it.

Design Data

8 General

8.1 Reynolux Coated Aluminium Sheet and Coil, after roll-forming or brake-pressing, is suitable for external use as roofing or cladding, or for internal use as a lining, in the situations described in the accompanying Detail Sheets.

8.2 It may be used as plain sheet for such purposes as small infill panels (provided that these are sufficiently robust and properly secured).

9 Workability

9.1 The products can be roll-formed or brake-pressed using conventional plant. A tight bend may cause hairline cracking in the paint at the crown of the bend, to expose the substrate, but the paint will not lose adhesion.

9.2 The product can be bent, drilled, punched and cut using conventional tools in good condition.

10 Compatibility


To prevent electro-chemical corrosion, direct contact with other metals (particularly copper) should be avoided. Fixing devices must be of, or compatible with, aluminium. Precautions must also be taken (eg by using a strip sealant) to prevent direct contact with timber preserved with copper or fluoride compounds or treated with a fire retardant.

11 Maintenance

11.1 In some areas (eg industrial areas and where cladding is sheltered directly beneath a soffit) it may be necessary to clean the installation periodically, both to restore its appearance and to remove potentially corrosive deposits. This can be done by hosing with water, using a neutral detergent.

11.2 Damaged panels may be replaced using normal installation techniques.

12 Durability

 12.1 The aluminium substrate is durable. If exposed (eg at cut edges, through impact damage, or at hairline cracks at the crown of the profile), it will perform satisfactorily in all normal atmospheric conditions (including marine and industrial, but excluding the immediate vicinity of, and down wind from, sources of abnormal corrosive contaminants, eg chemical works, cement works, copper foundries).

12.2 The coatings are colour-fast and have the durability described in the accompanying Detail Sheets.

Installation

13 Procedure

The installation of Reynolux Coated Aluminium Sheet and Coil is designed and carried out in accordance with:

- CP 143-1 : 1958 or relevant parts of:
 - BS 5427-1 : 1996
 - BS 8200 : 1985
- *Profiled sheet metal roofing and cladding — A guide to good practice* (National Federation of Roofing Contractors)
- PSA Method of Building *Technical Guidance Sheet Cladding*

The following is a summary of the technical investigations carried out on Reynolux Coated Aluminium Sheet and Coil.

14 Tests

Tests were carried out in accordance with MOAT No 34 : 1986 to determine:

- impact resistance
- scratch resistance
- abrasion resistance
- resistance to chemicals, marking and staining
- surface spread of flame
- fire propagation
- fire roof exposure rating
- damage in handling
- effect of artificial weathering
- effect of salt spray
- effect of bending
- resistance to sulphur dioxide.

15 Investigations

15.1 Factory visits were made to examine the manufacturing process and obtain details of the raw material specifications and quality control procedures.

15.2 Visits were made to established sites to determine the performance of the products in use.

Additional Information

The management systems of Alcoa Architectural Products has been assessed and registered as meeting the requirements of ISO 9001 : 1994 by AFAQ (Certificate No QUAL/1993/1492c).

Bibliography

BS 5427-1 : 1996 *Code of practice for the use of profiled sheet for roof and wall claddings on buildings — Design*

BS 8200 : 1985 *Code of practice for design of non-loadbearing external vertical enclosures of buildings*

BS EN 573-3 : 1995 *Aluminium and aluminium alloys — Chemical composition and form of wrought products — Chemical composition*

MOAT No 34 : 1986 *Precoated metal sheet roofing and cladding*

CP 143-1 : 1958 *Code of practice for sheet roof and wall coverings — Aluminium, corrugated and troughed*

ISO 9001 : 1994 *Quality management systems — Requirements*

Conditions of Certification

16 Conditions

16.1 This Certificate:

- (a) relates only to the product that is described, installed, used and maintained as set out in this Certificate;
- (b) is granted only to the company, firm or person identified on the front cover — no other company, firm or person may hold or claim any entitlement to this Certificate;
- (c) has to be read, considered and used as a whole document — it may be misleading and will be incomplete to be selective;
- (d) is copyright of the BBA.

16.2 References in this Certificate to any Act of Parliament, Regulation made thereunder, Directive or Regulation of the European Union, Statutory Instrument, Code of Practice, British Standard, manufacturers' instructions or similar publication, shall be construed as references to such publication in the form in which it was current at the date of this Certificate.

16.3 This Certificate will remain valid for an unlimited period provided that the product and the manufacture and/or fabricating process(es) thereof:

- (a) are maintained at or above the levels which have been assessed and found to be satisfactory by the BBA;

(b) continue to be checked by the BBA or its agents; and

(c) are reviewed by the BBA as and when it considers appropriate.

16.4 In granting this Certificate, the BBA makes no representation as to:

- (a) the presence or absence of any patent or similar rights subsisting in the product or any other product;
- (b) the right of the Certificate holder to market, supply, install or maintain the product; and
- (c) the nature of individual installations of the product, including methods and workmanship.

16.5 Any recommendations relating to the use or installation of this product which are contained or referred to in this Certificate are the minimum standards required to be met when the product is used. They do not purport in any way to restate the requirements of the Health & Safety at Work etc Act 1974, or of any other statutory, common law or other duty which may exist at the date of this Certificate or in the future; nor is conformity with such recommendations to be taken as satisfying the requirements of the 1974 Act or of any present or future statutory, common law or other duty of care. In granting this Certificate, the BBA does not accept responsibility to any person or body for any loss or damage, including personal injury, arising as a direct or indirect result of the installation and use of this product.



In the opinion of the British Board of Agrément, Reynolux Coated Aluminium Sheet and Coil is fit for its intended use provided it is installed, used and maintained as set out in this Certificate. Certificate No 87/1964 is accordingly awarded to Alcoa Architectural Products.

On behalf of the British Board of Agrément

Date of Fourth issue: 5th August 2003

Chief Executive

**Original Certificate issued on 17th December 1987. This amended version includes a change to the company name, revised national Building Regulations and Bibliography, the inclusion of Additional Information and new Conditions of Certification.*

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For technical or additional information,
contact the Certificate holder (see
front page).
For information about the Agrément
Certificate, including validity and
scope, tel: Hotline 01923 665400,
or check the BBA website.



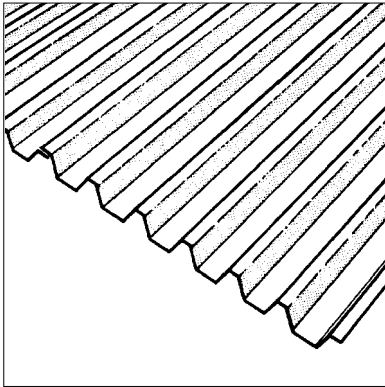
Alcoa Architectural Products

REYNOLUX POLYESTER-COATED ALUMINIUM SHEET AND COIL

Certificate No 87/1964

DETAIL SHEET 1
*Fourth issue**

Product



• THIS DETAIL SHEET RELATES TO REYNOLUX POLYESTER-COATED ALUMINIUM SHEET AND COIL, COATED ON THE FACE SIDE WITH PRIMER AND POLYESTER PAINT TO A TOTAL COATING THICKNESS OF 25 μm .

• The product is available in a range of colours and gloss levels.

This Detail Sheet must be read in conjunction with the Front Sheets, which give the Technical Specification and Design Data common to all Alcoa products covered by the Certificate, the position under the Building Regulations, Installation procedure, Technical Investigations and the Conditions of Certification.

Design Data

1 General

Reynolux Polyester-Coated Aluminium Sheet and Coil may be profiled by roll-forming or brake-pressing and is suitable for external use as plain sheet or in profiled form in accordance with the documents listed in section 13 of the Front Sheets. The product is available in a range of colours and gloss levels incorporating BS, RAL and NCS colour charts.

2 Workability

2.1 The coating is sufficiently flexible to withstand a 3T bend through 180° without damage. Material of H44 temper can withstand a 1.5T bend through 180° without damage.

2.2 Some care is necessary when handling the product on site to prevent accidental damage to the coating.

3 Performance in fire



3.1 The product, when tested to BS 476-3 : 1958 has an EXT S.AA rating.

3.2 When tested to BS 476-6 : 1981 it has an index of performance of $I = 1.2$ with $i_1 = 0.7$, and to BS 476-7 : 1971 it has a Class 1 surface, hence it has a Class 0 surface as defined in the Building Regulations 2000 (as amended) (England and Wales), and the Building Regulations (Northern Ireland) 2000, and as a low risk surface under the Building Standards (Scotland) Regulations 1990 (as amended).

3.3 The reverse side's lacquer coating is also a Class 0 or low risk surface.

4 Location

The product is suitable for use in areas where there is little possibility of impact or abrasion damage, ie at low levels in areas with restricted access or at higher levels in public areas. These areas are described as categories C to F of Table 2 in BS 8200 : 1985, which is reproduced (in part) in Table 1:

Table 1 BS 8200 Table 2 — access categories

Category	Description	Examples	
C	Accessible primarily to those with some incentive to exercise care. Some chance of accident occurring and of misuse.	Walls adjacent to private open gardens. Back walls of balconies.	} Zone of wall up to 1.5 m above pedestrian or floor level.
D	Only accessible, but not near a common route, to those with high incentive to exercise care. Small chance of accident occurring or of misuse.	Walls adjacent to small fenced decorative gardens with no through paths.	
E	Above zone of normal impacts from people but liable to impacts from thrown or kicked objects.	1.5 m to 6 m above pedestrian or floor level in public areas.	
F	Above zone of normal impacts from people and not liable to impacts from thrown or kicked objects.	Wall surfaces at higher positions than those defined in E above.	

5 Durability



5.1 The product will perform effectively as a cladding or roofing with an ultimate life of at least 30 years.

5.2 The coating will chalk, and there will be a colour change (but the changes in appearance on each face of the building will be uniform). Maintenance painting will be necessary after 10 years in industrial conditions or after 15 years in less aggressive environments.

Bibliography

- BS 476-3 : 1958 *Fire tests on building materials and structures — External fire exposure roof test*
BS 476-6 : 1981 *Fire tests on building materials and structures — Method of test for fire propagation for products*
BS 476-7 : 1971 *Fire tests on building materials and structures — Surface spread of flame tests for materials*
BS 8200 : 1985 *Code of practice for design of non-loadbearing external vertical enclosures of buildings*



On behalf of the British Board of Agrément

Date of Fourth issue: 5th August 2003

Chief Executive

**Original Detail Sheet issued on 17th December 1987. This amended version includes a change to company name, re-numbering to Detail Sheet 2 and updated performance in fire, in line with Scottish Regulations.*



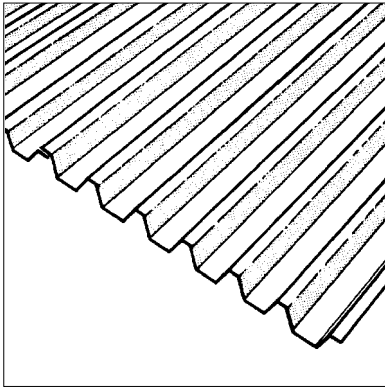
Alcoa Architectural Products

REYNOLUX PVF₂-COATED ALUMINIUM SHEET AND COIL

Certificate No 87/1964

DETAIL SHEET 2
Fourth issue*

Product



- THIS DETAIL SHEET RELATES TO REYNOLUX PVF₂-COATED ALUMINIUM SHEET AND COIL, COATED ON THE FACE SIDE WITH A PRIMER AND A POLYVINYLIDENE FLUORIDE/ACRYLIC PAINT TO A TOTAL COATING THICKNESS OF 25 µm.

- The product is available in a range of colours and gloss levels.

This Detail Sheet must be read in conjunction with the Front Sheets, which give the Technical Specification and Design Data common to all Alcoa products covered by the Certificate, the position under the Building Regulations, Installation procedure, Technical Investigations and the Conditions of Certification.

Design Data

1 General

Reynolux PVF₂-Coated Aluminium Sheet and Coil may be profiled by roll-forming or brake-pressing, and is suitable for external use as plain sheet or in profiled form in accordance with the documents listed in section 13 of the Front Sheets. The product is available in a range of colours and gloss levels incorporating BS, RAL and NCS colour charts.

2 Workability

2.1 Subject to aluminium alloy, temper and thickness, a bend radius of 1T to 3T can be achieved without damage.

2.2 Some care is necessary when handling the material on site to prevent accidental damage to the coating.

3 Performance in relation to fire

3.1 The product, when tested to BS 476-3 : 1958, has an EXT.S.AA rating.

3.2 When tested to BS 476-6 : 1981 it has an index of performance of $I = 3.4$ with $i_1 = 2.3$, and to BS 476-7 : 1971 it has a Class 1 surface, hence it has a Class 0 surface as defined in the Building Regulations 2000 (as amended) (England and Wales), and the Building Regulations (Northern Ireland) 2000, and as a low risk surface under the Building Standards (Scotland) Regulations 1990 (as amended).

3.3 The reverse side's lacquer coating is also a Class 0 or low risk surface.

4 Location

The product is suitable for use in areas where there is little possibility of impact or abrasion damage, ie at low levels in areas with restricted access, or at higher levels in public areas. These areas are described as categories C to F of Table 2 in BS 8200 : 1985, which is reproduced (in part) in Table 1:

Table 1 BS 8200 Table 2 — access categories

Category	Description	Examples	
C	Accessible primarily to those with some incentive to exercise care. Some chance of accident occurring and of misuse.	Walls adjacent to private open gardens. Back walls of balconies.	} Zone of wall up to 1.5 m above pedestrian or floor level.
D	Only accessible, but not near a common route, to those with high incentive to exercise care. Small chance of accident occurring or of misuse.	Walls adjacent to small fenced decorative gardens with no through paths.	
E	Above zone of normal impacts from people but liable to impacts from thrown or kicked objects.	1.5 m to 6 m above pedestrian or floor level in public areas.	
F	Above zone of normal impacts from people and not liable to impacts from thrown or kicked objects.	Wall surfaces at higher positions than those defined in E above.	

5 Durability



5.1 The product will perform effectively as a cladding or roofing, with an ultimate life of at least 30 years.

5.2 In some industrial environments, maintenance painting to restore the sheet's appearance may be necessary after 20 years.

Bibliography

BS 476-3 : 1958 *Fire tests on building materials and structures — External fire exposure roof test*

BS 476-6 : 1981 *Fire tests on building materials and structures — Method of test for fire propagation for products*

BS 476-7 : 1971 *Fire tests on building materials and structures — Surface spread of flame tests for materials*

BS 8200 : 1985 *Code of practice for design of non-loadbearing external vertical enclosures of buildings*



On behalf of the British Board of Agrément

Date of Fourth issue: 5th August 2003

Chief Executive

**Original Detail Sheet issued on 17th December 1987. This amended version includes a change to company name, re-numbering to Detail Sheet 3 and updated performance in fire, in line with Scottish Regulations.*



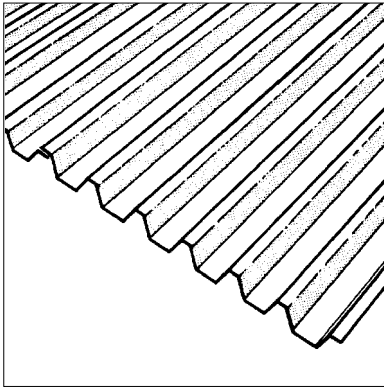
Alcoa Architectural Products

Certificate No 87/1964

REYNOLUX PRA-COATED ALUMINIUM SHEET AND COIL

DETAIL SHEET 3
Fourth issue*

Product



- THIS DETAIL SHEET RELATES TO REYNOLUX PRA-COATED ALUMINIUM SHEET AND COIL, COATED ON THE FACE SIDE WITH 28 μm OF POLYAMIDE MODIFIED POLYURETHANE PAINT.
- The product is available in a range of colours at a 25% to 40% gloss level.

This Detail Sheet must be read in conjunction with the Front Sheets, which give the Technical Specification and Design Data common to all Alcoa products covered by the Certificate, the position under the Building Regulations, Installation procedure, Technical Investigations and the Conditions of Certification.

Design Data


1 General

Reynolux PRA-Coated Aluminium Sheet and Coil may be profiled by roll-forming or brake-pressing, and is suitable for external use as plain sheet or in profiled form in accordance with the documents listed in section 1.3 of the Front Sheets. The product is available in a range of colours at a 25% to 40% gloss level incorporating BS, RAL and NCS colour charts.

2 Workability

Subject to aluminium alloy, temper and thickness, a bend radius of 1T to 3T can be achieved without damage.

3 Performance in relation to fire

 3.1 The product, when tested to BS 476-3 : 1958 has an EXT.S.AA rating.

3.2 When tested to BS 476-6 : 1981 it has an index of performance of $I = 1.9$ with $i_1 = 1.7$, and to BS 476-7 : 1971 it has a Class 1 surface, hence it has a Class 0 surface as defined in the Building Regulations 2000 (as amended) (England and Wales), and the Building Regulations (Northern Ireland) 2000, and as a low risk surface under the Building Standards (Scotland) Regulations 1990 (as amended).

3.3 The reverse side's lacquer coating is also a Class 0 or low risk surface.

4 Location

4.1 The coating is tough and abrasion resistant, making the product suitable for use at low level in

areas readily accessible to the public (eg alongside pedestrian thoroughfares and playing fields) where accidental damage is possible. Thus the product is suitable for use as described in category B (and less vulnerable) situations, in Table 2 of BS 8200 : 1985, which is reproduced (in part) in Table 1:

Table 1 BS 8200 Table 2 — access categories

Category	Description	Examples	
B	Readily accessible to public and others with little incentive to exercise care. Chances of accident occurring and of misuse.	Walls adjacent to pedestrian thoroughfares or playing fields when not in category A.	Zone of wall up to 1.5 m above pedestrian or floor level.
C	Accessible primarily to those with some incentive to exercise care. Some chance of accident occurring and of misuse.	Walls adjacent to private open gardens. Back walls of balconies.	
D	Only accessible, but not near a common route, to those with high incentive to exercise care. Small chance of accident occurring or of misuse.	Walls adjacent to small fenced decorative gardens with no through paths.	
E	Above zone of normal impacts from people but liable to impacts from thrown or kicked objects.	1.5 m to 6 m above pedestrian or floor level in public areas.	
F	Above zone of normal impacts from people and not liable to impacts from thrown or kicked objects.	Wall surfaces at higher positions than those defined in E above.	

4.2 The impact resistance of the product is determined by the impact resistance of the aluminium on which it is based. No adhesion failure of the coating will occur although hairline cracks may occur in areas of high stress.

5 Durability



5.1 The product will perform effectively as a cladding or roofing, with an ultimate life of at least 30 years.

5.2 It will have a minimum decorative life of 15 years in industrial environments and 20 years in less aggressive environments.

Bibliography

BS 476-3 : 1958 *Fire tests on building materials and structures — External fire exposure roof test*
BS 476-6 : 1981 *Fire tests on building materials and structures — Method of test for fire propagation for products*

BS 476-7 : 1971 *Fire tests on building materials and structures — Surface spread of flame tests for materials*

BS 8200 : 1985 *Code of practice for design of non-loadbearing external vertical enclosures of buildings*



On behalf of the British Board of Agrément

Date of Fourth issue: 5th August 2003

Chief Executive

**Original Detail Sheet issued on 17th December 1987. This amended version includes a change to company name, re-numbering to Detail Sheet 4 and updated performance in fire, in line with Scottish Regulations and revised reference to product gloss level range.*