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Agrement Certificate

19/5649

Product Sheet 1

HOMELINE INTERNAL TRIM SYSTEM

HOMELINE PVC-UE SKIRTING AND ARCHITRAVE SYSTEM

This Agrément Certificate Product Sheet⁽¹⁾ relates to the Homeline PVC-UE Skirting and Architrave System, a co-extruded cellular PVC-U product for use internally as a decorative and protective skirting and as architrave around window and door openings. The components of the system are available in white or coloured laminated foil finishes.

(1) Hereinafter referred to as 'Certificate'.

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 system will withstand the soft and hard body impacts likely to occur in practice (see section 6).

Durability — the system will retain its decorative function for a period in excess of 35 years with only minor changes in surface appearance (see section 9).

The BBA has awarded this Certificate to the company named above for the system described herein. This system 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 First issue: 18 April 2019

John Albon
Chief Scientific Officer

Claire Curtis-Thomas
Chief Executive

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
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.
Any photographs are for illustrative purposes only, do not constitute advice and should not be relied upon.*

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Regulations

In the opinion of the BBA, the Homeline PVC-UE Skirting and Architrave System, if installed, used and maintained in accordance with this Certificate, is not subject to any national Building Regulations.

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: 3 *Delivery and site handling* (3.2) and 11 *General* (11.3) of this Certificate.

Technical Specification

1 Description

1.1 The Homeline PVC-UE Skirting and Architrave System comprises a range of cellular PVC-U (PVC-UE) profiles for use as internal trims, skirtings and architraves (see Figure 1).

Figure 1 Cellular profiles and trims

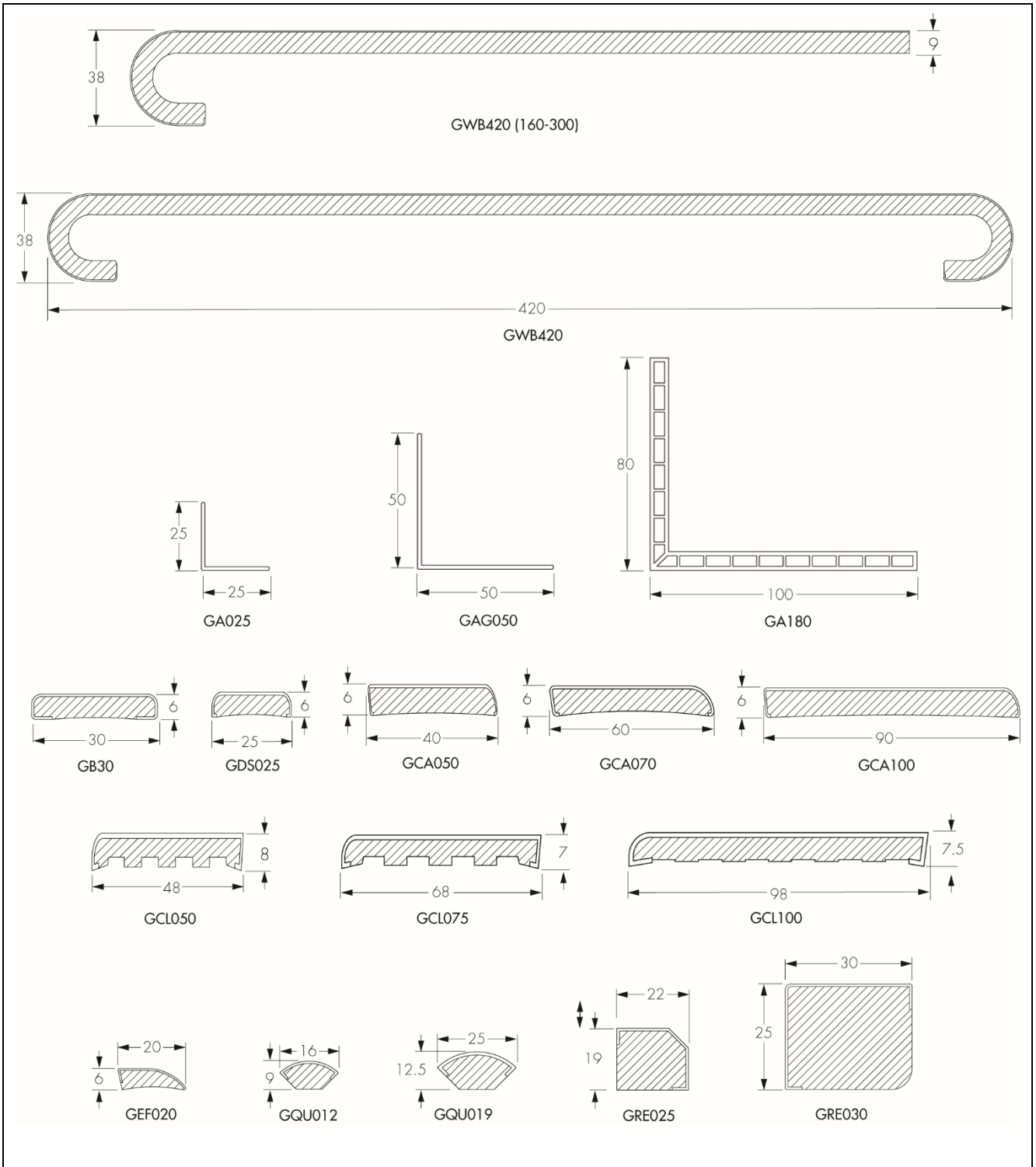


Table 1 Characteristics of profiles

Profile	Width (mm)	Height (mm)	Thickness (mm)
GWB420 – 9 mm hockey-nose board	160 to 300	38	9
GWB420 double-ended 9 mm hockey nose board	420	38	9
GA025 – 25 x 25 mm angle rigid	25	25	1.3
GAG050 – 50 x 50 mm angle rigid	50	50	1.5
GA180 – 100 x 80 mm angle rigid	100	80	–
GB30 – 30 mm batten cover	30	–	6
GDS025 – 25 mm D section	25	–	6
GCA050 – 40 mm flatback architrave	40	–	6
GCA070 – 60 mm flatback architrave	60	–	6
GCA100 – 90 mm flatback architrave	90	–	6
GCL050 – 48 mm castellated architrave	48	–	8
GCL075 – 68 mm castellated architrave	68	–	7
GCL100 – 98 mm castellated architrave	98	–	7.5
GEF020 – 20 mm cloaking fillet	20	–	6
GQU012 – 12 mm quadrant	16	–	9
GQU019 – 19 mm quadrant	25	–	12.5
GRE025 – 20 x 22 mm square	22	–	19
GRE030 – 25 x 30 mm square	30	–	25

1.2 The system is available in white or the following coloured laminated foil finishes:

* royal blue	* mahogany	* wine red
* red walnut	* English oak	* rustic green
* cream	* silver birch	* black
* light oak	* antique pine	* Irish oak
* dark grey	* mountain ash	* slate grey
* rosewood	* dark teak	* chartwell green
* white woodgrain	* dark walnut	* anthracite grey.

1.3 The cellular profiles comprise a closed-cell cellular PVC-U core beneath an outer PVC-U skin, available with or without a coloured laminated foil finish.

2 Manufacture

2.1 The cellular profiles are manufactured by co-extruding a calcium/zinc PVC-U skin compound onto a foamable calcium/zinc PVC-U core compound, and cooling and forming to section. Cellular PVC-UE is formed during the process by the evolution of gas from sodium bicarbonate present in the foamable PVC-U compound. A clear, protective, polyethylene film is applied to the outer face of the extrusion, before the board is cut to length. Coloured laminated foil profiles are surface-covered with PVC-U which incorporates a clear acrylic protective layer, and the foil is applied to the external face, adhering to the PVC-U skin.

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.

2.3 The management system of Homeline Building Products Ltd has been assessed and registered as meeting the requirements of BS EN ISO 9001 : 2015 by the BSI (Certificate FM 537077).

3 Delivery and site handling

3.1 The system profiles are delivered to site in packs sealed in polythene sleeves bearing the Certificate holder's marking. Pack quantities vary dependent upon the type of profile.

3.2 The packs should be unloaded by hand to avoid damage, and stored flat in the polythene sleeves on a clean, level surface in stacks not exceeding one metre in height and restrained from collapse. If stored externally, the packs should be kept under cover.

3.3 Care must be taken when handling PVC-U profiles to avoid contact with solvents or materials containing volatile organic components.

Assessment and Technical Investigations

The following is a summary of the assessment and technical investigations carried out on Homeline PVC-UE Skirting and Architrave System.

Design Considerations

4 Use

The Homeline PVC-UE Skirting and Architrave System is suitable for use internally as a decorative and protective skirting or architrave.

5 Practicability of installation

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

6 Strength and stability

The Homeline PVC-UE Skirting and Architrave System will withstand the hard and soft body impacts likely to occur in practice.

7 Properties in relation to fire

As Homeline PVC-UE Skirting and Architrave System is used in relatively small amounts in an installation, it is unlikely to significantly affect the overall fire performance of any room in which it is employed.

8 Maintenance

8.1 The profiles can be cleaned using water and detergent or cream cleanser. Solvent-based cleaners must not be used. The material can be cut and drilled using normal woodworking tools if repairs are required.

8.2 As with all PVC-U products, paints can adversely affect the impact strength of cellular PVC-U sections. Painting must therefore not be carried out.

9 Durability

The profiles will retain their decorative function for a period in excess of 35 years with only minor changes in surface appearance. The profiles will also retain adequate impact resistance.

10 Reuse and recyclability

The PVC-UE and PVC-U rigid profiles can be recycled.

Installation

11 General

11.1 Installation of the Homeline PVC-UE Skirting and Architrave System must be carried out in accordance with the manufacturer's instructions and this Certificate.

11.2 The components of the system are easy to work with using normal woodworking tools for cutting, drilling and shaping. Handsaws should have a fine-toothed blade. Hand-held and bench-mounted power tools with carbide-tipped blades should be run at speeds similar to, or higher than, those normally used for timber.

11.3 When using power tools to cut or shape the product, eye protection and a course-particle dust mask should be used.

11.4 Internal trims and finishings should be sufficiently wide to mask joints around built-in filaments, etc. allowing for movement and shrinkage and fixed in accordance with the Certificate holder's instructions. Allowance must be made for minimum separation distances near heat sources.

11.5 Skirting profiles should be mitred, or scribed at external or internal angles, to tightly abut against architraves and run level and scribed to floors. They must be fixed only to sound, dry substrates.

11.6 Architrave profiles should be securely fixed to prevent curling, with an equal margin to each frame member, and must be accurately mitred, or scribed, to fit tightly and neatly parallel to frames and linings.

Technical Investigations

12 Tests

Results of tests were assessed to determine:

- voidage
- resistance to staining
- resistance to impact
- surface spread of flame.

13 Investigations

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 EN ISO 9001 : 2015 *Quality management systems – Requirements*

14 Conditions

14.1 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.

14.2 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.

14.3 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.

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

14.5 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.

14.6 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.