

Flex-R Ltd

Sandswood House
Hillbottom Road
Sands Industrial Estate
High Wycombe
Buckinghamshire HP12 4HJ
Tel: 01494 448792 Fax: 01494 858433
e-mail: enq@flex-r.co.uk
website: www.senitrf.co.uk



Agrément Certificate
11/4853
Product Sheet 3

FLEX-R WATERPROOFING SYSTEMS

DUOPLY FLEECE REINFORCED EPDM ROOF WATERPROOFING SYSTEMS

This Agrément Certificate Product Sheet⁽¹⁾ relates to DuoPly Fleece Reinforced EPDM Roof Waterproofing Systems, for use on flat and pitched roofs in applications including loose-laid and ballasted, fully-adhered and inverted roofs.

(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

Weathertightness — the systems will resist the passage of moisture to the interior of the building (see section 6).

Properties in relation to fire — the systems will enable a roof to be unrestricted under the Building Regulations (see section 7).

Resistance to wind uplift — the systems will resist the effects of any likely wind suction acting on the roof (see section 8).

Resistance to foot traffic — the systems will accept the limited foot traffic and loads associated with installation and maintenance (see section 9).

Durability — under normal service conditions, the systems will provide a durable waterproof covering with a service life of at least 35 years (see section 11).

The BBA has awarded this Certificate to the company named above for the systems described herein. These systems 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

Simon Wroe
Head of Approvals — Materials

Claire Curtis-Thomas
Chief Executive

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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.

British Board of Agrément
Bucknalls Lane
Watford
Herts WD25 9BA

tel: 01923 665300
fax: 01923 665301
e-mail: mail@bba.star.co.uk
website: www.bbacerts.co.uk

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Regulations

In the opinion of the BBA, DuoPly Fleece Reinforced EPDM Roof Waterproofing Systems, if installed, used and maintained in accordance with this Certificate, will meet or contribute to meeting the relevant requirements of the following Building Regulations (the presence of a UK map indicates that the subject is related to the Building Regulations in the region or regions of the UK depicted):



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

Requirement: B4(2)	External fire spread
Comment:	On suitable substructures the use of the systems will enable a roof to be unrestricted under this Requirement. See section 7 of this Certificate.
Requirement: C2(b)	Resistance to moisture
Comment:	The systems, including joints, will enable a roof to meet this Requirement. See section 6.1 of this Certificate.
Regulation: 7	Materials and workmanship
Comment:	The systems are acceptable. See section 11 and the <i>Installation</i> part of this Certificate.



The Building (Scotland) Regulations 2004 (as amended)

Regulation: 8(1)(2)	Durability, workmanship and fitness of materials
Comment:	The use of the systems satisfies the requirements of this Regulation. See sections 10 and 11 and the <i>Installation</i> part of this Certificate.
Regulation: 9	Building standards applicable to construction
Standard: 2.8	Spread from neighbouring buildings
Comment:	The systems, when applied to a suitable substrate, are regarded as having low vulnerability under clause 2.8.1 ⁽¹⁾⁽²⁾ of this Standard. See section 7 of this Certificate.
Standard: 3.10	Precipitation
Comment:	The systems, including joints, will enable a roof to satisfy the requirements of this Standard, with reference to clauses 3.10.1 ⁽¹⁾⁽²⁾ and 3.10.7 ⁽¹⁾⁽²⁾ . See section 6.1 of this Certificate.
Standard: 7.1(a)	Statement of sustainability
Comment:	The systems can contribute to meeting the relevant requirements of Regulation 9, Standards 1 to 6 and therefore will contribute to a construction meeting a bronze level of sustainability as defined in this Standard.
Regulation: 12	Building standards applicable to conversions
Comment:	All comments given for these systems 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⁾ . (1) Technical Handbook (Domestic). (2) Technical Handbook (Non-Domestic).



The Building Regulations (Northern Ireland) 2012

Regulation: 23(a)(i)(iii)b(i)	Fitness of materials and workmanship
Comment:	The systems are acceptable. See section 11 and the <i>Installation</i> part of this Certificate.
Regulation: 28(b)	Resistance to moisture and weather
Comment:	The systems, including joints, will enable a roof to satisfy the requirements of this Regulation. See section 6.1 of this Certificate.
Regulation: 36(b)	External fire spread
Comment:	On suitable substructures, the use of the systems will enable a roof to be unrestricted under the requirements of this Regulation. See section 7 of this Certificate.

Construction (Design and Management) Regulations 2007

Construction (Design and Management) Regulations (Northern Ireland) 2007

Information in this Certificate may assist the client, CDM co-ordinator, designer and contractors to address their obligations under these Regulations.

See sections: 1 *Description* (1.1) and 3 *Delivery and site handling* (3.3 and 3.4) of this Certificate.

Additional Information

NHBC Standards 2014

NHBC accepts the use of DuoPly Fleece Reinforced EPDM Roof Waterproofing Systems, provided they are installed, used and maintained in accordance with this Certificate, in relation to *NHBC Standards*, Chapter 7.1 *Flat roofs and balconies*.

CE marking

The Certificate holder has taken the responsibility of CE marking the DuoPly Fleece Reinforced EPDM Roof Waterproofing Systems, in accordance with harmonised European Standard BS EN 13956: 2005. An asterisk (*) appearing in this Certificate indicates that data shown are given in the manufacturer's Declaration of Performance.

Technical Specification

1 Description

1.1 DuoPly Fleece Reinforced EPDM Roof Waterproofing Systems include membranes manufactured to the characteristics given in Table 1, available in two forms: a standard dusted form or a clean membrane to aid joint splicing.

Table 1 Nominal characteristics

Characteristic (unit)	DuoPly Fleece Reinforced membrane	
	1.2	1.5
Thickness (mm)	2.6	2.9
Roll width (m)	1.52 and 3.05	1.52 and 3.05
Length (m)	12.19 (1.52 m wide) and 15.25 (3.05 m wide)	12.19 (1.52 m wide) and 15.25 (3.05 m wide)
Mass per unit area (kg·m ⁻²)	1.51	2.11
Tensile strength* (N per 50 mm)	≥ 400	≥ 400
Elongation* (%)	≥ 15	≥ 15
Dimensional stability* (%)	≤ 0.5	≤ 0.5
Colour	grey/black	grey/black

1.2 For an alternative method of splicing, the membranes are available with a factory-applied tape .

1.3 DuoPly-White is an alternative version of DuoPly Fleece Reinforced EPDM in which the top laminate is white. It is manufactured to the same specifications and has the same nominal properties as the black version.

1.4 Other products for use in the systems are:

- FB Adhesive — a polyurethane adhesive for bonding the EPDM sheet to the substrate
- Splicing Cement EP95 — a cement based on solvent, butyl rubber and other synthetic resins which is cold-applied to bond laps between EPDM sheets and/or EPDM flashing
- SecurTAPE — a synthetic rubber-based tape for use in lap jointing
- Factory-applied Tape — 75 mm or 150 mm wide SecurTAPE used to prefabricate membranes at the factory into larger sheets prior to delivery to site
- HP-250 Primer — a primer for use with Splicing Cement, SecurTAPE or pressure-sensitive products in preparation of membrane surface
- LV-600 Primer — an alternative primer for use with Splicing Cement, SecurTAPE or pressure-sensitive products in preparation of membrane surface
- splice cleaner — a synthetic rubber/resin solution for cleaning EPDM prior to bonding laps, except when splice tape is used.

1.5 Ancillary items for use with these systems, but outside the scope of the Certificate, are:

- EPDM Elastoform and DuoPly-White Flashing — non-vulcanised (uncured) EPDM 1.5 mm thick with a polythene backing, available in widths from 150 mm to 450 mm
- pressure-sensitive products — a range of detailing products (such as flashings, corners) with a pressure adhesive incorporated
- In-seam Sealant — a rubber-based sealant applied within lap joints made using Splicing Cement EP95 only
- Lap Sealant — an EPDM mastic to form a feathered edge along lap edges at flashings and details and at field splices when Splicing Cement EP95 is used
- Water Cut-off Mastic — a synthetic rubber/resin sealing mastic to act as a sealing agent between the EPDM or flashing sheets and accessories
- Walkway sheeting — a special 8 mm thick styrene butadiene rubber (SBR) sheet, to give additional protection in areas of high accessibility
- Colour coating — an acrylic, elastic roof coating to provide optional roof colours
- DuoPly-White accessories — DuoPly-White splicing cement, DuoPly-White Splice Cleaner and DuoPly-White Lap Sealant are used with DuoPly-White and serve the same purpose as their counterparts
- pourable sealer — a two-component, solvent-free, polyurethane-based sealant, for use in areas where flashing is difficult to apply

- RUSS strip — a reinforced EPDM membrane strip which is fastened to the substrate. The membrane is adhered to this at the roof perimeter and penetrations
- fasteners and fastening plates — for use in mechanically-fastened applications
- termination bars — for fixing membrane at roof perimeters.

2 Manufacture

2.1 DuoPly Fleece Reinforced EPDM Roof Waterproofing Systems are manufactured by blending EPDM (ethylene-propylene-diene monomer), processing oils and other additives. The sheets are produced by calendaring or extruding, then vulcanising.

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

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

3 Delivery and site handling

3.1 The membranes are delivered to site in rolls wrapped in polythene. Provision may be required for load spreading and handling at roof level when large area sheets are used. The wrapper bears the product name, identification and the BBA logo incorporating the number of this Certificate.

3.2 Rolls should be stored on the delivery pallet, horizontally in a cool, dry area and under cover. The membranes should only be unwrapped from the packaging at the time of installation and unused material returned to its packaging until required.

3.3 The accessories are normally delivered in quantities of:

FB adhesive	10 litre can
Splicing Cement EP95 and HP-250 Primer	3.8 litre or 9.5 litre cans
Splice Cleaner, Bonding Adhesive and Colour coating	3.8 litre or 18.9 litre cans
Lap Sealant and Water Cut-off Mastic	25-tube cartons
In-seam Sealant	10-tube cartons
LV-600 Primer	3.8 litre cans

3.4 Ancillary items classified under *The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009* (CHIP4)/*Classification, Labelling and Packaging of Substances and Mixtures (CLP Regulation) 2009* are given in Table 2 along with flashpoints. These products bear the appropriate hazard warning.

Table 2 Flashpoint and hazard classification

Material	Flashpoint (°C)	Classification
FPB Adhesive ⁽¹⁾	-8.0	Extremely Flammable, Harmful
Splicing Cement EP95 ⁽¹⁾	4.0	Highly Flammable, Harmful
Lap Sealant ⁽¹⁾	4.4	Highly Flammable, Harmful
In-seam Sealant ⁽¹⁾	4.4	Highly Flammable, Harmful
Water Cut-off Mastic ⁽¹⁾	11.0	Highly Flammable, Harmful
HP-250 Primer ⁽¹⁾	4.4	Highly Flammable, Harmful
LV-600 Primer	93.0	Harmful
Splice Cleaner ⁽¹⁾	-13.0	Extremely Flammable

(1) These components should be stored in accordance with *The Dangerous Substances and Explosive Atmospheres Regulation 2002*

3.5 EPDM flashing rolls should be stored in a clean, dry position and in temperatures between 5°C and 25°C. The flashing cures gradually and should not be stored for more than nine months. As the flashing cures it will become less flexible and more difficult to form at details, although this does not affect its waterproofing characteristics.

3.6 Bonding Adhesive, Splicing Cement EP95, Lap Sealant, In-seam Sealant, Water Cut-off Mastic and Colour coating should be stored in a dry place in temperatures between 5°C and 25°C. Site storage of these products should not exceed six months.

Assessment and Technical Investigations

The following is a summary of the assessment and technical investigations carried out on DuoPly Fleece Reinforced EPDM Roof Waterproofing Systems.

Design Considerations

4 General

4.1 DuoPly Fleece Reinforced EPDM Roof Waterproofing Systems are satisfactory for use as:

- a loose-laid and ballasted waterproofing layer, mechanically fastened at edges and upstands, on flat roofs up to a maximum fall of 1:6 with limited access
- a fully-adhered waterproofing layer, mechanically fastened at edges and upstands, on flat and pitched roofs with limited access
- a loose-laid system to the inverted roof concept, on flat roofs with limited access.

4.2 Limited access roofs are defined for the purpose of this Certificate as those subjected only to pedestrian traffic for maintenance of the roof covering, cleaning of gutters, etc. Where traffic in excess of this is envisaged additional protection to the membrane must be provided.

4.3 Flat roofs are defined for the purpose of this Certificate as those having a minimum finished fall of 1:80. For design purposes, twice the minimum finished fall should be assumed, unless a detailed analysis of the roof is available, including overall and local deflection, direction of falls, etc. Pitched roofs are defined for the purpose of this Certificate as those having a fall in excess of 1:6.

4.4 Decks to which the membrane is to be applied must comply with the relevant requirements of BS 6229 : 2003, BS 8217 : 2005 and, where appropriate, *NHBC Standards* 2014, Chapter 7.1.

4.5 Contact with bituminous, coal tar and oil-based products must be avoided as the membrane is incompatible with lower grades of bitumen. If contact with such products is likely, a separating layer must be interposed before installing the waterproof sheet. Where doubt arises, the advice of the Certificate holder should be sought.

4.6 Insulation systems or materials used in conjunction with the product must be approved by the Certificate holder and either:

- as described in BS 8217 : 2005, or
- the subject of a current BBA Certificate and be used in accordance with, and within the limitations of, that Certificate.

4.7 If rigid glassfibre or mineral wool roof insulation products are used they must be overlaid with 13 mm thick fibreboard unless otherwise authorised by the Certificate holder.

5 Practicability of installation

The systems should only be installed by installers who have been trained and approved by the Certificate holder.

6 Weathertightness



6.1 The systems, including joints, when completely sealed and consolidated, will adequately resist the passage of moisture into the building and enable a roof to comply with the requirements of the national Building Regulations:

England and Wales — Approved Document C, Requirement C2(b), Section 6

Scotland — Mandatory Standard 3.10, clauses 3.10.1⁽¹⁾⁽²⁾ and 3.10.7⁽¹⁾⁽²⁾

(1) Technical Handbook (Domestic).

(2) Technical Handbook (Non-Domestic).

Northern Ireland — Regulation 28(b).

6.2 The membranes are impervious to water and will achieve a weathertight roof capable of accepting minor structural movement.

7 Properties in relation to fire



7.1 When tested to DD CEN/TS 1187 : 2012, Test 4 and classified to BS EN 13501-5 : 2005 the following systems achieved Class B_{ROOF}(t4):

- an 18 mm plywood with a fully-adhered 2.6 mm DuoPly Fleece Reinforced EPDM membrane
- an 18 mm thick orientated strand board (OSB) substrate, a 250 µm polyethylene vapour control layer (VCL), a 100 mm mechanically-fastened glass-faced polyisocyanurate (PIR) insulation board, and fully-adhered 2.6 mm DuoPly Fleece Reinforced EPDM membrane.
- an 18 mm thick OSB substrate, a 120 mm mechanically-fastened PIR insulation board faced with a 6 mm plywood, and fully-adhered 1.14 mm DuoPly Fleece Reinforced EPDM membrane.

7.2 The following systems will be unrestricted:

- a 0.7 mm profiled galvanized steel deck, a 250 µm polyethylene vapour barrier, a 40 mm bitumen-faced polyurethane foam insulation board with 2.6 mm thick DuoPly Fleece Reinforced EPDM membrane bonded in FM Adhesive.
- a 0.7 mm profiled galvanized steel deck, a 250 µm polyethylene vapour barrier, a 40 mm aluminium-faced polyisocyanurate insulation board with 2.6 mm thick DuoPly Fleece Reinforced EPDM membrane bonded in FM Adhesive.

7.3 The designation of other specifications should be confirmed by:

England and Wales — test or assessment in accordance with Approved Document B, Appendix A, clause 1

Scotland — tests to conform to Mandatory Standard 2.8, clause 2.8.1⁽¹⁾⁽²⁾

(1) Technical Handbook (Domestic).

(2) Technical Handbook (Non-Domestic).

Northern Ireland — test or assessment by a UKAS accredited laboratory or an independent consultant with appropriate experience.

8 Resistance to wind uplift

8.1 The adhesion of adhered systems is sufficient to resist the effects of wind suction, thermal cycling or other minor structural movements likely to occur in service. Where any doubt exists regarding the suitability of the substrate, the advice of the Certificate holder should be sought.

8.2 Where the membrane is adhered to insulation boards, the resistance to wind uplift will be dependent on the cohesive strength of the insulation and the method by which it is secured to the roof deck. This must be taken into account when selecting a suitable insulation material.

8.3 Results of tests on the wind uplift force of the partially adhered system show that a maximum force of 5 kPa can be exerted without failure of the system.

9 Resistance to foot traffic

Results of tests indicate that the systems can accept the limited foot traffic and light concentrated loads associated with installation and maintenance. Reasonable care should be taken to avoid puncture by sharp objects or concentrated loads. Where traffic in excess of this is envisaged, such as for maintenance of lift equipment, a layer of 8 mm thick SBR Walkway sheeting should be provided in accordance with the Certificate holder's instructions.

10 Maintenance



10.1 Systems must be the subject of annual inspections and maintenance to ensure continued performance.

10.2 Where damage has occurred it should be repaired in accordance with section 15 and the Certificate holder's instructions.

11 Durability



Accelerated weathering tests and evidence from use in the USA and Europe confirm that satisfactory retention of physical properties is achieved. Under normal conditions, the DuoPly Fleece Reinforced EPDM Roof Waterproofing Systems will have a service life in excess of 35 years.

Installation

12 General

12.1 Installation of DuoPly Fleece Reinforced EPDM Roof Waterproofing Systems must be carried out by trained installers, in accordance with the Certificate holder's instructions and this Certificate. A list of trained and approved operatives is available from the Certificate holder.

12.2 Substrates to which the systems are applied must be sound, dry, clean and free from sharp projections such as nail heads and concrete nibs. When the systems are to be laid on a rough substrate, a loose-laid, non-woven polyester fleece (minimum 150 g·m⁻²) must be placed over the substrate.

12.3 Installation should not be carried out during inclement weather (eg rain, fog, snow). When the temperature is below 5°C suitable precautions against surface condensation must be taken.

12.4 Where contact with low-grade bitumen, coal tar or oil-based products is likely, an isolating layer should be interposed between the product and the substrate. If compatibility with other products is in doubt, the advice of the Certificate holder should be sought.

12.5 The membrane must be mechanically fastened around the perimeter of the roof and around any penetration of the sheet, using fastening plates or reinforced universal securement strip (RUSS).

12.6 When using a loose-laid specification, account should be taken in the design of the deck of the extra dead loading owing to the weight of the aggregate.

13 Procedure

13.1 All insulation boards are attached to the structural deck by the appropriate method for the type and thickness. The method of attachment must be adequate to provide resistance to wind uplift forces as defined in BS EN 1991-1-4 : 2005 and its UK National Annex.

13.2 Polyurethane insulation boards must be mechanically fastened or bitumen bonded, to prevent bowing.

Fully adhered

13.3 Adhesive is poured from the can onto the substrate and spread evenly using a squeegee at a rate of 0.25 kg·m⁻² (52 m² per can).

13.4 The membrane is rolled out into the wet adhesive and pressed firmly using a broom or heavy roller. The adhesive has a work time of up to one half-hour.

Partially adhered

13.5 Holes are pierced in the bottom of the adhesive can at the indicated places and the adhesive is applied to the substrate in strips or beads at a rate of 0.15 kg·m⁻² (86 m² per can).

13.6 The membrane is installed according to the procedure given in section 13.4.

14 Details

Seaming procedure (Splicing Cement)

14.1 At laps, the top sheet is folded back by about 300 mm and both surfaces of the lap are cleaned with Splice Cleaner, HP-250 Primer or LV-600 Primer. Splicing Cement is applied to both surfaces by roller to give an even coverage, and must be allowed to dry until tacky. A continuous 4 mm bead of In-seam Sealant is applied 12 mm in from the back edge of the splice. The top sheet is rolled back down towards the bottom sheet and joined by applying firm hand pressure.

14.2 The lap is rolled with a steel or silicone roller, applying positive pressure, towards the outer edge of the lap. The edge is cleaned using Splice Cleaner. After checking that a good seal has been achieved, a bead of Lap Sealant is applied to the exposed edge of the lap.

Seaming procedure (SecurTAPE)

14.3 Dirt and excess dust is cleaned from the area of the splice in accordance with the Certificate holder's instructions. The area is then cleaned using either HP-250 or LV-600 Primer, and allowed to dry.

14.4 The bottom sheet is marked 13 mm from the edge of the top sheet along the entire length of the splice. The tape is aligned with the marked line and pressed down using firm, even hand pressure, leaving the top release liner in place.

14.5 The minimum splice width should be 50 mm, with a minimum of 3 mm of tape extending beyond the splice edge.

14.6 The top release liner is removed and the top sheet is allowed to fall freely onto the exposed tape. The top sheet is pressed onto the tape using firm, even hand pressure across the splice towards the outer edge of the lap.

14.7 The lap is rolled with either a steel or silicone roller, applying positive pressure, towards the outer edge of the lap, and not parallel to it. For lap joints at details, the edge is cleaned using Splice Cleaner, and a bead of Lap Sealant applied to the exposed edge of the lap.

Seaming procedure (Factory-applied Tape)

14.8 The rolls are laid out in accordance with the Certificate holder's instructions. The release film on the tape is removed and the splice primed prior to consolidation of the joint.

Flashing

14.9 Concurrently with the installation of the EPDM membrane, the EPDM flashing is applied. The flashing is first bonded to the horizontal EPDM membrane and lapped, according to the procedure in sections 14.1 to 14.7, with minimum lap widths of 75 mm. A continuation of the deck membrane may be used for flashing, as is the practice when RUSS strip is used.

14.10 The flashing is adhered to the vertical surface of the wall using bonding adhesive or, alternatively, using the pressure-sensitive flashings.

14.11 The flashing is mechanically fastened at its upper edge and protected by dressing back to the wall and covering with coping stones, or by the use of a counter-flashing.

14.12 Advice for specific flashing requirements is available from the manufacturer.

15 Repair

In the event of damage, repairs can be carried out by cleaning the area around the damage and applying a patch of the product as prescribed in the Certificate holder's instructions (see section 13).

16 Tests

16.1 Tests on the membranes were conducted and the results assessed to determine:

- water vapour transmission
- tensile strength/elongation
- nail tear strength
- tear strength
- low temperature flexibility
- dimensional stability
- static loading
- dynamic impact
- fatigue cycling
- heat ageing
- ozone resistance
- UV ageing.

to assess:

- robustness during service
- vapour transmission properties
- durability.

16.2 Tests on joints produced using Splicing Cement, SecurTAPE HP-250 and SecurTAPE LV-600 were conducted to determine:

- shear strength of joints
- T-peel for HP-250 and LV-600.

17 Investigations

17.1 Existing data on fire performance of the membrane were assessed.

17.2 A user survey was performed to assess the performance of the membrane in the UK.

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

17.4 A 30-year-old existing site was visited to assess the durability of the EPDM membranes.

Bibliography

BS 6229 : 2003 *Flat roofs with continuously supported coverings — Code of practice*

BS 8217 : 2005 *Reinforced bitumen membranes for roofing — Code of practice*

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

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

BS EN 13501 - 5 : 2005 *Fire classification of construction products and building elements — Classification using data from external fire exposure to roof tests*

BS EN 13956 : 2005 *Flexible sheet for waterproofing — Plastic and rubber sheet for roof waterproofing — Definitions and characteristics*

DD TS CEN 1187 : 2012 *Test methods for external fire exposure to roofs*

18 Conditions

18.1 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.

18.2 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.

18.3 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.

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

18.5 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.

18.6 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.