

## Casali SpA

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## Agrément Certificate

11/4861

Product Sheet 1 Issue 6

### CASALI ROOF WATERPROOFING MEMBRANES

### CASALI DERMABIT-EXTRA 30160 3 MM, 4170 4 MM AND 43170 MINERAL

This Agrément Certificate Product Sheet<sup>(1)</sup> relates to Casali Dermabit-Extra 30160 3 mm, 4170 4 mm and 43170 Mineral, a range of reinforced modified-bitumen membranes, for use as loose-laid, partially bonded or fully bonded waterproofing on flat or pitched roofs with limited access, and in protected specifications.

(1) Hereinafter referred to as 'Certificate'.

#### 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 Sixth issue: 9 August 2024

Originally certified on 12 September 2011

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.*

#### British Board of Agrément

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## 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 Casali Dermabit-Extra 30160 3 mm, 4170 4 mm and 43170 Mineral, 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 Building Regulations 2010 (England and Wales) (as amended)

<b>Requirement:</b>	<b>B4(1)</b>	<b>External fire spread</b>
Comment:	The products are restricted by this Requirement in some circumstances. See section 2 of this Certificate.	
<b>Requirement:</b>	<b>B4(2)</b>	<b>External fire spread</b>
Comment:	On a suitable substructure, the products may enable a roof to be unrestricted by this Requirement. See section 2 of this Certificate.	
<b>Requirement:</b>	<b>C2(b)</b>	<b>Resistance to moisture</b>
Comment:	The products, including joints, will enable a roof to satisfy this Requirement. See section 3 of this Certificate.	
<b>Regulation:</b>	<b>7(1)</b>	<b>Materials and workmanship</b>
Comment:	The products are acceptable. See sections 8 and 9 of this Certificate.	



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

<b>Regulation:</b>	<b>8(1)(2)</b>	<b>Fitness and durability of materials and workmanship</b>
Comment:	The use of the products satisfies this Regulation. See sections 8 and 9 of this Certificate.	
<b>Regulation:</b>	<b>9</b>	<b>Building standards – construction</b>
Standard:	2.8	Spread from neighbouring buildings
Comment:	The products, when applied to a suitable substructure, may enable a roof to be unrestricted by this Standard with reference to clause 2.8.1 <sup>(1)(2)</sup> . See section 2 of this Certificate.	
Standard:	3.10	Precipitation
Comment:	The products, including joints, will enable a roof to satisfy this Standard, with reference to clauses 3.10.1 <sup>(1)(2)</sup> and 3.10.7 <sup>(1)(2)</sup> . See section 3 of this Certificate.	
Standard:	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.	
<b>Regulation:</b>		<b>Building standards – conversion</b>
Comment:	Comments in relation to the products under Regulation 9, Standards 1 to 6, also apply to this Regulation, with reference to clause 0.12.1 <sup>(1)(2)</sup> and Schedule 6 <sup>(1)(2)</sup> .	
	(1) Technical Handbook (Domestic).	
	(2) Technical Handbook (Non-Domestic).	



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

<b>Regulation:</b>	<b>23(1)(a)(i)</b>	<b>Fitness of materials and workmanship</b>
<b>Comment:</b>	<b>(iii)(b)(i)</b>	The products are acceptable. See sections 8 and 9 of this Certificate.
<b>Regulation:</b>	<b>28(b)</b>	<b>Resistance to moisture and weather</b>
<b>Comment:</b>		The products, including joints, will enable a roof to satisfy this Regulation. See section 3 of this Certificate.
<b>Regulation:</b>	<b>36(a)</b>	<b>External fire spread</b>
<b>Comment:</b>		The products are restricted by this Regulation in some circumstances. See section 2 of this Certificate.
<b>Regulation:</b>	<b>36(b)</b>	<b>External fire spread</b>
<b>Comment:</b>		On a suitable substructure, the products may enable a roof to be unrestricted by this Regulation. See section 2 of this Certificate.

### Additional Information

#### NHBC Standards 2024

In the opinion of the BBA, Casali Dermabit-Extra 30160 3 mm, 4170 4 mm and 43170 Mineral, 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 7.1 *Flat roofs, terraces and balconies*.

In addition, in the opinion of the BBA, the products when installed and used in accordance with this Certificate can satisfy or contribute to satisfying the relevant requirements in relation to *NHBC Standards for Conversions and Renovations*, taking account of other relevant guidance within the chapter and the suitability of the substrate to receive the products.

The *NHBC Standards* do not cover the refurbishment of existing roofs.

### Fulfilment of Requirements

The BBA has judged Casali Dermabit-Extra 30160 3 mm, 4170 4 mm and 43170 Mineral to be satisfactory for use as described in this Certificate. The products have been assessed for use as loose-laid, partially bonded or fully bonded waterproofing on flat or pitched roofs with limited access, and in protected specifications.

### ASSESSMENT

#### Product description and intended use

The Certificate holder provided the following description for the products under assessment. The Casali Roof Waterproofing Membranes consist of:

- Casali Dermabit-Extra 30160 3 mm – a torch applied, polyester-reinforced, amorphous polyalphaolefin (APAO)-modified bitumen underlay with a silica sand or thermofusible film finish and a thermofusible film on the lower surface
- Casali Dermabit-Extra 4170 4 mm – a torch applied, polyester-reinforced, APAO-modified bitumen capsheet with a silica sand or thermofusible film finish and a thermofusible film on the lower surface
- Casali Dermabit-Extra 43170 Mineral – a torch applied, polyester-reinforced, APAO-modified bitumen capsheet with a mineral slate finish and a thermofusible film on the lower surface.

The products have the nominal characteristics given in Table 1.

**Table 1 Nominal characteristics of Casali Dermabit-Extra 30160 3 mm, 4170 4 mm and 43170 Mineral**

Characteristic (unit)	Casali Dermabit-Extra 30160 3 mm	Casali Dermabit-Extra 4170 4 mm	Casali Dermabit-Extra 43170 Mineral
Thickness (mm)	3	4	4 <sup>(1)</sup>
Width (m)	1	1	1
Length (m)	10	8/10	8/10
Mass per unit area (kg·m <sup>-2</sup> )	3	4	5.2
Roll weight (kg)	30	32/40	42/52

(1) Excluding mineral finish

#### Ancillary items

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

- Dermaprimer — a solution of bitumen in solvents for priming substrates
- Idroprimer — a water-based bitumen emulsion for priming substrates
- protection sheet — a non-woven polyester sheet for protecting the waterproofing sheet from damage in a ballasted system.

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:

- Vaporex AL Vapour Barrier — for use in systems where a vapour barrier is required
- Reflex AR — a protective reflecting aluminium paint
- Acrytop — a protective coating
- Dermacolor Cool Roof — a white based paint.

#### Applications

Casali Dermabit-Extra 30160 3 mm, 4170 4 mm and 43170 Mineral are satisfactory for use as roof waterproofing in the following specifications:

- Casali Dermabit-Extra 30160 3 mm is satisfactory for use as an underlayer in conjunction with Casali Dermabit-Extra 4170 4 mm or Casali Dermabit-Extra 43170 Mineral, in fully or partially bonded waterproofing for flat or pitched roofs with limited access, as part of a built-up multilayer specification.
- Casali Dermabit-Extra 4170 4 mm and Casali Dermabit-Extra 43170 Mineral are satisfactory for use as fully or partially bonded waterproofing for flat or pitched roofs with limited access, as a single layer or as part of a built-up specification and, where necessary, in conjunction with appropriate bituminous roofing membranes to BS 8747 : 2007.
- Casali Dermabit-Extra 4170 4 mm and Casali Dermabit-Extra 43170 Mineral are satisfactory for use as single-ply, loose-laid waterproofing layers, ballasted with aggregate on flat roofs with limited access, or under heavy protection (eg concrete slabs) on flat roofs with regular pedestrian traffic.

#### Definitions for products and applications inspected

The following terms have been defined for the purpose of this Certificate as:

- limited access roof — a roof subjected only to pedestrian traffic for maintenance of the roof covering, cleaning of gutters, etc
- flat roof — a roof having a minimum finished fall of 1:80
- pitched roof — a roof having a fall in excess of 1:6.

## 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

Not applicable.

### 2 Safety in case of fire

Data were assessed for the following characteristics.

#### 2.1 External fire spread

2.1.1 A roof incorporating the products will be unrestricted under the national Building Regulations with respect to proximity to a relevant boundary when protected by an inorganic covering (eg gravel or paving slabs) listed in the Annex of Commission Decision 2000/553/EC.

2.1.2 In Wales and Northern Ireland, when used on flat roofs using a substrate designated in the supporting documents with the surface finishes listed below, the roof is also deemed to be unrestricted with respect to a relevant boundary:

- bitumen-bedded stone chippings covering the whole surface to a depth of not less than 12.5 mm
- bitumen-bedded tiles of a non-combustible material
- sand and cement screed, or
- macadam.

2.1.3 The classification and permissible areas of use of other specifications must be confirmed by reference to the requirements of the documents supporting the national Building Regulations.

#### 2.2 Reaction to fire

2.2.1 The Certificate holder has not declared a reaction to fire classification to BS EN 13501-1 : 2018 for the products.

2.2.2 In England, the products, when used for roof pitches of greater than 70°, excluding upstands, must not be used less than 1 m from a relevant boundary, or on residential buildings more than 11 m in height or on other buildings more than 18 m in height. Restrictions apply on assembly and recreational buildings. These constructions must also be included in calculations of unprotected area.

2.2.3 In Wales, the products, when used for roof pitches greater than 70°, excluding upstands, must not be used less than 1 m from a relevant boundary, or on other buildings more than 18 m in height or in some cases, on assembly and recreation buildings. These constructions must also be included in calculations of unprotected area.

2.2.4 In Northern Ireland, the products when used in pitches greater than 70°, excluding upstands, which do not achieve the minimum Class E reaction to fire classification to BS EN 13501-1 : 2018, designers must seek guidance on the proposed use of the systems from the relevant Building Control Body. These constructions must also be included in calculations of unprotected area.

2.2.5 In Scotland, the use of the products is unrestricted with respect to building height and proximity to a relevant boundary. However, restrictions on the overall construction may apply, depending on the reaction to fire classification achieved by the build-up, which must be established on a case-by-case basis.

### 3 Hygiene, health and the environment

Data were assessed for the following characteristics.

#### 3.1 Weathertightness

3.1.1 Results of weathertightness tests are given in Table 2.

*Table 2 Results of weathertightness tests*

Product assessed	Assessment method	Requirement	Result
Dermabit 4170 4 mm	Watertightness under 10 kPa pressure to EN 1928 : 2000	No leakage	Pass
Dermabit 4170 4 mm	Peel resistance of joints to EN 12316-1 : 2000	$\geq 40 \text{ N} \cdot (50 \text{ mm})^{-1}$	Pass

3.1.2 On the basis of data assessed, the products, including joints, when completely sealed and consolidated, will adequately resist the passage of moisture to the inside of a building and so satisfy the requirements of the national Building Regulations.

3.1.3 The adhesion of the bonded products is sufficient to resist the effects of wind suction, elevated temperature and thermal shock conditions likely to occur in practice and remain weathertight.

#### 3.2 Resistance to mechanical damage

3.2.1 Results of resistance to mechanical damage tests are given in Table 3.

**Table 3 Results of resistance to mechanical damage tests**

Product assessed	Assessment method	Requirement	Result
Dermabit 4170 4 mm	Dynamic indentation to EN 12691 : 2001 Method B (EPS)	Value achieved	I <sub>10</sub>
Dermabit 43170 Mineral			I <sub>10</sub>
Dermabit 4170 4 mm	Static indentation to EN 12730 : 2001 Method A (EPS)	Value achieved	20 kg
Dermabit 43170 Mineral			20 kg
As a system			
Dermabit 30160 3 mm/ Dermabit 4170 4 mm			25 kg
Dermabit 30160 3 mm/ Dermabit 43170 4 mm			25 kg
Dermabit 4170 4 mm	Method B (concrete)		25 kg
Dermabit 43170 Mineral		25 kg	
As a system			
Dermabit 30160 3 mm/ Dermabit 4170 4 mm			25 kg
Dermabit 30160 3 mm/ Dermabit 43170 4 mm			25 kg
Dermabit-Extra 30160 3 mm	Tensile strength to EN 12311-1 : 1999 Longitudinal direction	Declared value 700 N·(50 mm) <sup>-1</sup> ± 20%	Pass
Dermabit 4170 4 mm		850 N·(50 mm) <sup>-1</sup> ± 20%	Pass
Dermabit 43170 Mineral		850 N·(50 mm) <sup>-1</sup> ± 20%	Pass
	Transverse direction		
Dermabit-Extra 30160 3 mm		600 N·(50 mm) <sup>-1</sup> ± 20%	Pass
Dermabit 4170 4 mm		650 N·(50 mm) <sup>-1</sup> ± 20%	Pass
Dermabit 43170 Mineral		650 N·(50 mm) <sup>-1</sup> ± 20%	Pass
Dermabit-Extra 30160 3 mm	Elongation to EN 12311-1 : 1999 Longitudinal direction	Declared value 40% ± 15% absolute	Pass
Dermabit 4170 4 mm		40% ± 15% absolute	Pass
Dermabit 43170 Mineral		40% ± 15% absolute	Pass
	Transverse direction		
Dermabit-Extra 30160 3 mm		40% ± 15% absolute	Pass
Dermabit 4170 4 mm		40% ± 15% absolute	Pass
Dermabit 43170 Mineral		40% ± 15% absolute	Pass
Dermabit-Extra 30160 3 mm	Tear strength to EN 12310-1 : 2000 Longitudinal direction	≥ 50 N	Pass
Dermabit 4170 4 mm		≥ 150 N	Pass
Dermabit 43170 Mineral		≥ 150 N	Pass
	Transverse direction		
Dermabit-Extra 30160 3 mm		≥ 50 N	Pass
Dermabit 4170 4 mm		≥ 150 N	Pass
Dermabit 43170 Mineral		≥ 150 N	Pass

3.2.2 On the basis of data assessed, the products can accept, without damage, limited foot traffic and light concentrated loads associated with installation and maintenance and the effects of minor movement likely to occur in practice while remaining weathertight.

3.2.3 Where traffic in excess of the examples given in section 3.2.2 is envisaged, such as for maintenance of lift equipment, a walkway must be provided (for example, using concrete slabs supported on bearing pads). Reasonable care must be taken to avoid puncture by sharp objects or concentrated loads.

## 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

Not applicable.

## 8 Durability

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

8.2 Specific test data were assessed as given in Table 4.

*Table 4 Results of durability tests*

Products assessed	Assessment method	Requirement	Result
Dermabit 30160 3 mm	Low temperature flexibility to EN 1109 : 1999 Control	$\leq -15^{\circ}\text{C}$	Pass
Dermabit 4170 4 mm			Pass
Dermabit 43170 Mineral			Pass
Dermabit 4170 4 mm	Heat aged 168 days at 70°C	$\leq 0^{\circ}\text{C}$	Pass
Dermabit 43170 Mineral			Pass
Dermabit 30160 3 mm	Heat resistance to EN 1110 : 1999 Control	$\geq 120^{\circ}\text{C}$	Pass
Dermabit 4170 4 mm			Pass
Dermabit 43170 Mineral			Pass
Dermabit 4170 4 mm	Heat aged 168 days at 70°C	$\geq 110^{\circ}\text{C}$	Pass
Dermabit 43170 Mineral			Pass
Dermabit 30160 3 mm	Dimensional stability to EN 1107-1 : 2000 Longitudinal direction	$\leq \pm 0.5\%$	Pass
Dermabit 4170 4 mm		$\leq \pm 0.3\%$	Pass
Dermabit 43170 Mineral		$\leq \pm 0.3\%$	Pass
Dermabit 30160 3 mm	Transverse direction	$\leq \pm 0.5\%$	Pass
Dermabit 4170 4 mm		$\leq \pm 0.3\%$	Pass
Dermabit 43170 Mineral		$\leq \pm 0.3\%$	Pass

### 8.3 Service life

8.3.1 Under normal service conditions, the products will have a life of at least 20 years, provided they are designed, installed and maintained in accordance with this Certificate and the Certificate holder's instructions.

8.3.2 Localised loss of the mineral surfacing may occur, after some years, in areas where complex detailing of the roof design is incorporated.



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

### 9 Design, installation, workmanship and maintenance

#### 9.1 Design

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

9.1.2 Decks to which the products are to be applied must comply with the relevant requirements of BS 6229 : 2018, BS 8217 : 2005 and, where appropriate, *NHBC Standards* 2024, Chapter 7.1.

9.1.3 For design purposes of flat roofs, twice the minimum finished fall must be assumed, unless a detailed structural analysis of the roof is available, including overall and local deflection and direction of falls.

9.1.4 Structural decks to which the products are to be applied must be suitable to transmit the dead and imposed loads experienced in service. Allowance needs to be made for loading deflections to ensure that the free drainage of water is maintained.

9.1.5 Imposed loads, dead loading and wind loads must be calculated by a suitably experienced and competent individual in accordance with BS EN 1991-1-1 : 2002, BS EN 1991-1-3 : 2003 and BS EN 1991-1-4 : 2005, and their UK National Annexes.

9.1.6 The resistance to wind uplift for warm roofs 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.

9.1.7 The ballast requirements for loose-laid specifications must be calculated by a suitably competent and experienced individual in accordance with the relevant parts of BS EN 1991-1-4 : 2005 and its UK National Annex. In these specifications, the products must always be ballasted with a minimum depth of 50 mm of aggregate. The use of concrete slabs on suitable protective supports must be considered in areas of high design wind loads.

9.1.8 The ballast on protected roofs must be of a type that will not be removed or become delocalised owing to wind scour experienced on the roof.

9.1.9 Insulation used in conjunction with the products must be approved by the Certificate holder and must be:

- as described in the relevant clauses of BS 6229 : 2018 or
- the subject of a current BBA certificate and used in accordance with the Certificate.

#### 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, the Certificate holder's instructions and the relevant clauses of BS 8000-0 : 2014, BS 8000-4 : 1989 and BS 8217 : 2005.

9.2.3 If the roof is likely to be subjected to uncontrolled pedestrian access, the substructure and surface finish must satisfy the requirements of the relevant clauses of BS 8217 : 2005.

9.2.4 Substrates to which the products are to be applied must be dry, clean and free from sharp projections such as nail heads and concrete nibs. When used over a rough substrate, a suitable protection layer must be laid first.

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

9.2.6 For fully bonded applications, bonding is achieved by melting the lower surface by torching and pressing the membrane down. Care must be taken not to overheat the coating.

9.2.7 Side laps must be a minimum of 100 mm and end laps a minimum of 200 mm. Where used partially bonded, the membrane must be fully bonded to the substrate for at least one metre immediately before and after the end lap. A bead of molten material must exude from all laps to indicate a satisfactory seal and must be levelled out using a heated, rounded-tip trowel.

9.2.8 At falls in excess of 5° (1:11) the normal precautions against slippage and the provision for mechanical fixings as required by BS 8217 : 2005 must be observed.

9.2.9 When used for remedial work, existing waterproofing layers must be made sound, and existing surface finishes (eg surface dressing) must be removed. The exposed surface is then primed.

9.2.10 On completion of the roof, Casali Dermabit-Extra 4170 4 mm may have a surface finish applied in accordance with BS 8217 : 2005, Clauses 6.12 (Table 3) and 8.19. Surface finishes in the Code of Practice include:

- stone aggregate in dressing compound
- pre-cast concrete paving flags
- proprietary tiles in bonding compound.

9.2.11 Casali Dermabit-Extra 43170 Mineral finished cap sheet does not require further surface protection.

9.2.12 For partially bonded applications, a layer of Type 3G bituminous membrane to BS 8747 : 2007 must be loose-laid edge to edge over the substrate.

9.2.13 Casali Dermabit-Extra 30160 3 mm and 4170 4 mm are fully torch-welded onto the perforated layer, ensuring that the bitumen seeps evenly into the perforations.

9.2.14 For loose-laid applications, side laps must be a minimum of 100 mm and end laps a minimum of 200 mm. The laps should be welded by torching the lower surface and pressing the membrane down.

9.2.15 To combat the effects of wind uplift the products must be ballasted by gravel, 0.2 mm thick polyethylene protective sheet covered by at least 50 mm of well-rounded gravel (gravel size 15/30 mm), or paving slabs. If paving on plastic pads is used, a separation layer of either 0.2 mm thick polythene or a nonwoven (polypropylene/polyester) sheet (minimum mass 200 g·m<sup>-2</sup>) must be placed between the product and the pads.

9.2.16 Detailing must be in accordance with the Certificate holder's instructions.

9.2.17 The NHBC requires that the products, once installed, are inspected in accordance with *NHBC Standards 2024* Chapter 7.1, Clause 7.1.11, and undergo an appropriate integrity test, where required. Any damage to the products assessed in this Certificate must be repaired in accordance with section 9.4 of this Certificate and reinspected, in order to maintain product performance.

### 9.3 Workmanship

Practicability of installation was assessed on the basis of the Certificate holder's information and BS 8217 : 2005. To achieve the performance described in this Certificate, the products must only be installed by contractors/installers who have been trained and approved by the Certificate holder.

### 9.4 Maintenance and repair

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

9.4.2 In the event of damage, the capsheet can be effectively repaired, after cleaning the surrounding areas, with a patch of the appropriate capsheet over the damaged area 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 products are delivered to site in rolls sealed with tape bearing the product name and the BBA logo incorporating the number of this Certificate. Dermaprimer is supplied in 25 litre cans and Idroprimer is supplied in 20 kg cans.

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

11.2.1 Rolls must be stored upright on a clean, dry and level surface and protected from direct sunlight and from heat sources.

## 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.

### 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.

### CLP Regulations

The Certificate holder has taken the responsibility of classifying and labelling the products under the *GB CLP Regulation* and *CLP Regulation (EC) No 1272/2008 - classification, labelling and packaging of substances and mixtures*. Users must refer to the relevant Safety Data Sheet(s).

### CE marking

The Certificate holder has taken the responsibility of CE marking the products in accordance with harmonised European Standard EN 13707 : 2013.

### 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 and BS EN ISO 14001 : 2015 by SGS (Certificates IT06/0617 and IT24/00000235 respectively).

## Bibliography

- BS 6229 : 2018 *Flat roofs with continuously supported flexible waterproof coverings — Code of practice*
- BS 8000-0 : 2014 + A1: 2024 *Workmanship on construction sites — Introduction and general principles*  
BS 8000-4 : 1989 *Workmanship on building sites — Code of practice for waterproofing*
- BS 8217 : 2005 *Reinforced bitumen membranes for roofing — Code of practice*
- BS 8747 : 2007 *Reinforced bitumen membranes (RBMs) for roofing — Guide to selection and specification*
- BS EN 1991-1-1 : 2002 *Eurocode 1 — Actions on structures — General actions — Densities, self-weight, imposed loads for buildings*  
NA to BS EN 1991-1-1 : 2002 *UK National Annex to Eurocode 1 — Actions on structures — General actions — Densities, self-weight, imposed loads for buildings*  
BS EN 1991-1-3 : 2003 + A1 : 2015 *Eurocode 1 — Actions on structures — General actions — Snow loads*  
NA + A2 : 18 to BS EN 1991-1-3 : 2003 + A1 : 2015 *UK National Annex to Eurocode 1 — Actions on structures — General actions — Snow loads*  
BS EN 1991-1-4 : 2005 + A1 : 2010 *Eurocode 1 — Actions on structures — General actions — Wind actions*  
NA to BS EN 1991-1-4 : 2005 + A1 : 2010 *UK National Annex to Eurocode 1 — Actions on structures — General actions — Wind actions*
- BS EN ISO 9001 : 2015 *Quality management systems - requirements*
- EN 13707 : 2013 *Flexible sheets for waterproofing — Reinforced bitumen sheets for roof waterproofing — Definitions and characteristics*
- EN 1928 : 2000 *Flexible sheets for waterproofing — Bitumen, plastic and rubber sheets for roof waterproofing — Determination of watertightness*
- EN 12316-1 : 2000 *Flexible sheets for waterproofing — Determination of peel resistance of joints — Part 1 : Bitumen sheets for roof waterproofing*
- EN 12691 : 2001 *Flexible sheets for waterproofing — Bitumen, plastic and rubber sheets for roof waterproofing — Determination of resistance to impact*
- EN 12730 : 2001 *Flexible sheets for waterproofing — Bitumen, plastic and rubber sheets for roof waterproofing — Determination of resistance to static loading*
- BS EN 13501-1 : 2018 *Fire classification of construction products and building elements — Classification using data from reaction to fire tests*
- EN 1107-1 : 2000 *Flexible sheets for waterproofing — Determination of dimensional stability — Part 1 : Bitumen sheets for roof waterproofing*
- EN 1109 : 1999 *Flexible sheets for waterproofing — Bitumen sheets for roof waterproofing — Determination of flexibility at low temperature*
- EN 1110 : 1999 *Flexible sheets for waterproofing. Bitumen sheets for roof waterproofing. Determination of flow resistance at elevated temperature*
- EN 12310-1 : 2000 *Flexible sheets for waterproofing — Determination of resistance to tearing (nail shank) — Part 1 : Bitumen sheets for roof waterproofing*
- EN 12311-1 : 1999 *Flexible sheets for waterproofing — Determination of tensile properties — Part 1 : Bitumen sheets for roof waterproofing*

## 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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