



TECHNICAL DATASHEET

Reference Date:
Version 4, May 2023

PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Proteus Hot Melt® Compound
PRODUCT TYPE: Hot Melt Compound
PRODUCT/SKU CODE: HMCOV20
PRODUCT DATASHEET REFERENCE: TDS_HMCOV20_Proteus Hot Melt® Compound_V4_040523
COMPANY: Proteus Waterproofing Ltd, 21a Sirdar Road, Brook Road Industrial Estate, Rayleigh, Essex SS6 7XF, United Kingdom
CONTACT NUMBER/EMAIL ADDRESS: +44 (0)1268 777871 / enquiries@proteuswaterproofing.co.uk

PRODUCT DESCRIPTION

Proteus Hot Melt® Compound is a tough and flexible compound made from a blend of SBS modified bitumen, synthetic rubber, polymers and other additives, and is used as the monolithic waterproofing element of the Proteus Hot Melt® System.

PREPARATION & APPLICATION

SURFACE PREPARATION

Prior to the application, ensure the substrate is structurally sound, free of surface laitance, oils, grease, dirt, moss, lichen and loose material.

Surfaces must be free of sharp projections and mechanical fixings must be well driven to prevent damage to the membrane.

Surfaces must be primed and left to dry completely prior to the application of the waterproofing.

APPLICATION

Apply the Proteus Hot Melt® Compound with the Proteus Hot Melt® Anti-Root Sanded Capsheet over the primed deck and loose-laid Proteus Hot Melt® Force by the pour and roll method of application detailed in BS 8217:2005.

Please refer to the Proteus Hot Melt® Manual and the current agrément certificate for further guidance.

All laps should be checked for security during application.

MATERIAL

Bitumen.

Proteus Waterproofing Limited

21a Sirdar Road
Brook Road Industrial Estate
Rayleigh
Essex SS6 7XF

Tel: 01268 777 871
Email: office@proteuswaterproofing.co.uk
www.proteuswaterproofing.co.uk

WEIGHT

20kg

FINISH & COLOUR

Colour: Black

PACKAGING

Cardboard box (open top).

PACK SIZE/UNIT OF MEASURE

- 20kg Block
- 50pcs. Pallet/1000k

CHEMICAL PROPERTIES

For product specific chemical information, please refer to the material safety safety datasheet.

SIZE & DIMENSIONS

Height: 21.5cm
Length: 39cm
Depth: 28cm

SHELF LIFE

Not applicable.

HANDLING

- The original packaging has been designed for the ideal storage of the product. Once opened, the goods must be kept away from the sun and other heat sources.
- Pallets are suitable for ordinary warehouse movement but not to hoisting.
- For information on handling, please refer to the material safety datasheet.

TECHNICAL INFORMATION

Technical Characteristics	Testing Method	Value	Tolerance
Compound	SBS		
Softening RingBall	EN 1427	105°C	100 - 200
Filler Content	EN 1848-1	mm/10m	
Penetration at 25°C	EN 1109	°C	30 - 60
Consumption	2/3 kg/m ²		
Processing Temperature	Max at 200°C		
Recommended Processing Temperature	+185°C		
Peel Resistance at 90°C on Concrete	EN 12316-1	60N	> 50
Packaging	20kg Blocks 50pcs. Pallet/1000kg		

ADDITIONAL INFORMATION

Not applicable.

CODES OF PRACTICE & STANDARDS

1. It is the responsibility of the Contractor to thoroughly familiarise themselves with all relevant Codes of Practice and Building Regulations to the works or referred in the specification. Proteus Waterproofing take no responsibility for misinterpretation or lack of knowledge for third parties.

2. The works shall be carried out in accordance with the requirements of;

- BS 6229:2018 - Flat roofs with continuously supported flexible waterproof coverings -Code of practice.
- BS 8217:2005 - Reinforced bitumen membranes for roofing Code of practice.
- BS 8000-0:2014 - Workmanship on construction sites - Introduction and general principles.
- BS8000-4:1989 - Workmanship on building sites - Code of practice for waterproofing.
- GRO Green Roof Code of Best Practice - Latest Edition.
- LRWA Design Guide for Specifiers - Latest Issue.
- LRWA Hot Melt Code of Practice - Latest Edition.

- Please refer to Proteus Waterproofing's Technical department for project specifications.

OPERATION

- For professional use only.

SAFETY GUIDANCE

- Use as per Proteus Waterproofing installation instructions/guidance.
- For safety information, please refer to the material safety datasheet.

LIMITATIONS OF USE

- Not applicable.

MAINTENANCE FOR WATERPROOFING

1. A flat roof should be inspected at least twice yearly; in autumn to ensure it is clear of leaves, dirt and debris, outlets are not blocked and the roof is free draining; in spring to discover and rectify any damage due to weather. Green, blue and other specialist roofs should be inspected in accordance with the designer's original inspection plan.
2. Inspections should include the following elements:
 - 2.1. Examination of ceilings for signs of water penetration or condensation followed by examination of external walls, eaves and soffits for signs of movement;
 - 2.2. The roof should then be inspected for any signs of damage to, or displacement of, the individual layers of construction including, as appropriate, the waterproofing layer, the thermal insulation, the WFR, the surface protection and flashings;
 - 2.3. The location and extent of any build-up of leaves, moss, plants or debris should be recorded; and
 - 2.4. The mountings of roof top installations such as safety barriers, fall arrest posts, harness bolts and satellite dishes should be examined to ensure their attachment remains waterproof.
3. Maintenance of a flat roof should involve:
 - 3.1. Removal of all accumulated leaves, dirt and debris;
 - 3.2. Clearance of rainwater outlets, downpipes and gutters;
 - 3.3. Replacement of any surface protection which has been dislodged or removed; and
 - 3.4. Cleaning of vents to the underside of a cold roof.
4. Repair/Renewal:

Should inspection discover the need for repair or replacement of any part of the roof, the work should be undertaken as soon as possible but only after appraisal of the original roof design and assessment of the need for modification or improvement. Repairs should be undertaken using materials and techniques compatible with the original work and, if still under an original guarantee, by the original installer. If it is decided to renew part or all of a flat roof, a full assessment of the design should first be undertaken in accordance with Clauses 4 to 6 of **BS6229:2018**. All works of inspection, repair and renewal should be recorded in the owner's building information manual.

ADDITIONAL MAINTENANCE REQUIREMENTS

- No additional requirements. See information above.

GUARANTEES

Defects arising from lack of maintenance or abnormal use may fall outside of the cover in the Proteus Waterproofing guarantee.

DISPOSAL

For information on disposal and environmental hazards, please refer to section 13 of the material safety datasheet.

Proteus Waterproofing Limited

21a Sirdar Road
Brook Road Industrial Estate
Rayleigh
Essex SS6 7XF

Tel: 01268 777 871
Email: office@proteuswaterproofing.co.uk
www.proteuswaterproofing.co.uk