



PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Proteus Hot Melt® Force

PRODUCT TYPE: Glass fibre reinforcing mesh

PRODUCT/SKU CODE: ACPFHM30

PRODUCT DATASHEET REFERENCE: TDS_ACPFHM30_Proteus Hot Melt® Force_V3_040523

COMPANY: Proteus Waterproofing Ltd, 21a Sirdar Road, Brook Road Industrial Estate, Rayleigh, Essex SS6 7XF, United Kingdom

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PRODUCT DESCRIPTION

Proteus Hot Melt® Force is an open weave glass fibre reinforcing mesh, used as the integral reinforcement 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

Loose lay the Proteus Hot Melt® Force over the primed substrate, and then apply the Proteus Hot Melt® Compound with the Proteus Hot Melt® Anti-Root Sanded Capsheet over both 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.

MATERIAL

Glass fibre

WEIGHT

2kg

FINISH & COLOUR

White

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PACKAGING

Clear plastic bag.

PACK SIZE/UNIT OF MEASURE

- 1x30m rolls sold individually.

CHEMICAL PROPERTIES

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

SIZE & DIMENSIONS

1m x 30m

SHELF LIFE

Not applicable.

HANDLING

- Proteus Hot Melt® Force is delivered in individually wrapped rolls and should be stored internally or under a protective cover to provide protection from direct rain and physical damage.

TECHNICAL INFORMATION

Technical Characteristic	Standard	Value
Main Application		Plastic matrix reinforcement
Weave	ISO 2113	Plain type
Finish		GI094T
Weight	ISO 3374	95 g/m ² ±5%
Glass Veil	ISO 3374	35 g/m ² ±5
Thickness	ISO 4603	0.53 mm ±0.03
Fibre:		Glass E type
• Warp		EC 9 68 TEX
• Weft		EC 9 68 TEX
Threads	ISO 4602	N°/cm 3 ±2%
Picks	ISO 4602	N°/cm 3.8 ±2%
Tensile Strength:		
• Warp	ISO 4606	>700 N/5 cm
• Weft	ISO 4606	>750 N/5 cm
Resin Content		15 g/m ² Â±3
Humidity	ISO 3344	XXX %

ADDITIONAL INFORMATION

- Quick, simple and easy to install
- Suitable for a range of roof type
- Exceptional tensile strength, tear and puncture resistance
- Long term performance

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.
 - BS 8000-4:1989 - 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

Not applicable.

ADDITIONAL MAINTENANCE REQUIREMENTS

Not applicable.

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GUARANTEES

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

DISPOSAL

- For further information on disposal and environmental hazards, please refer to section 13 of the MSDS

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