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Hambleside Danelaw
Building Products

BBA BRITISH BOARD OF AGRÉMENT
Certificate no. 08/4586

FiberTite®

The FiberTite Roofing System

Hambleside Danelaw

The FiberTite Roofing System Proven performance Worldwide

In looking at products which can benefit the environment, Hambleside selected FiberTite, a high quality roofing membrane with solar reflective properties.

FiberTite has been manufactured in the USA by the Seaman Corporation since 1979. Seaman's were established in 1949 and their fabrics are used as high performance roof systems and geomembrane liners around the world.

Seaman's approach to creating high performance fabric innovation, starts with the careful selection of strong fibres and proprietary weaves, as well as featuring the exclusive coating compound formulations, often utilising Elvaloy® KEE by DuPont™ as the principal polymer.

This manufacturing process effectively creates a molecular bond between the base fabric and the coating compound, resulting in a monolithic structure that achieves unprecedented levels of performance.

There has never been a membrane failure with a FiberTite® Roofing System, even after exposure to rooftop elements for many years.

FiberTite continues to out-perform competitive products:

- In cold temperatures
- in prolonged UV exposure
- in high wind uplift
- in resistance to chemical, oil and fatty acid exposure

FiberTite remains flexible and strong. It continues to reinforce its reputation as the one of the world's premier roofing membranes.

- it retains the ability to weld when aged allowing ease of repair or alteration.

- may be used as a primary membrane for 'garden roof' applications.

LEED® - THE NEW STANDARD?

The Leadership in Energy and Environmental Design (LEED) Green Building Rating System™ encourages global adoption of sustainable green building and development practices. The LEED rating system was developed by the U.S. Green Building Council to promote environmentally responsible building.

To be compliant with the LEED rating system, an SRI of 78 or greater is required for low slope roofing systems. The FiberTite® beige and white roofing membranes exceed this requirement.

Solar Reflectance Index (SRI), FiberTite Roofing Membranes

Wind Condition	FiberTite Roofing Membrane Colour	
	Beige	White
Low (0 - 2 m/s)	98.54	105.20
Medium (2 - 6 m/s)	98.39	105.09
High (6 - 10 m/s)	98.25	104.98

Data from Exterior Research & Design, LLC, Waterbury, CT

A FiberTite roofing membrane system is the intelligent, low lifecycle cost choice for a green, sustainable roofing project.

The Cool Roof Effect

A cool roof membrane directs the sun's heat back to the sky instead of into the building. It also represents greater value to the environment, as it ages at a slower rate than a conventional membrane and subsequently it lasts longer.

- Energy savings and global warming mitigation
- Reduction in urban heat island effect and smog
- Improved occupant comfort
- Promotes environmentally responsible building practice (LEED)
- Reduction in CO_2 emissions
- Improved air quality

Not only durable, but environmentally friendly as well, the FiberTite roofing membrane system is a sustainable, green roofing option, and was one of the first roofing systems to label its products under the USA Energy Star program developed to reflect the energy savings possible with the correct specification of building materials.

FiberTite, used in conjunction with a garden roof application, will provide additional environmental benefits through the improved insulating effect of the planted areas and enhanced rainwater control.

The cool roof is now being recognised in the UK for its positive environmental impact.

A new EU project 'Cool Roofs Programme' has recently been established to promote the benefits of cool roofs within the EU. Hambleside is actively involved with this programme.

Manufacturing the FiberTite membrane.
A Unique Technology Platform providing:-

- The unique DuPont Elvaloy® based compound for superior UV, and chemical resistance in addition to long-term flexibility.
- The benefits of Elvaloy® and the absence of migratable plasticisers are a real advantage over most other single-ply membranes.
- Exceptional puncture and tear resistance with the most densely packed polyester fabric available anywhere and featuring the highest strength yarn.
- A unique adhesive coat encapsulating each yarn, promoting a molecular bond between the base fabric and the front and back coats.
- A back coat specifically formulated to provide superior welding properties, effectively maximizing seam strength.
- A face coat without equal for chemical resistance and long-term flexibility.
- Exceeds all of the physical property requirements of ASTM Standard D6754-02.
- FiberTite is the only membrane that meets the ASTM polymer content definition for Elvaloy®.

The Elvaloy® compound and the other ingredients uniquely combine to provide unmatched resistance to chemicals, oils and fatty acids, not to mention the industry's finest long-term flexibility in any climate – critical keys to membrane reliability.

- BBA Approved
- Guaranteed for 20 years

Management Standards

- BS EN ISO 9001:2000 : Quality
- BS EN ISO 14001:2004 : Environment
- BS OHSAS 18001:2007 : Safety
- Working towards BES 6001 Environmental & Sustainability Standard

Key features of the FiberTite system

- A weather surface without equal for chemical resistance and long-term flexibility.
- Excellent joint 'welding'.
- Exceptional puncture and tear resistance.
- Reflection of heat away from the roof surface.
- Reduced energy costs.
- Ease of repair and alteration.
- Copes with most roof surfaces.
- Thermal electric welding - no naked flames.
- Mechanically fixed or fully bonded.
- May be loose laid and ballasted.

BSI
EMS 500154
FM23063
OHS 532271

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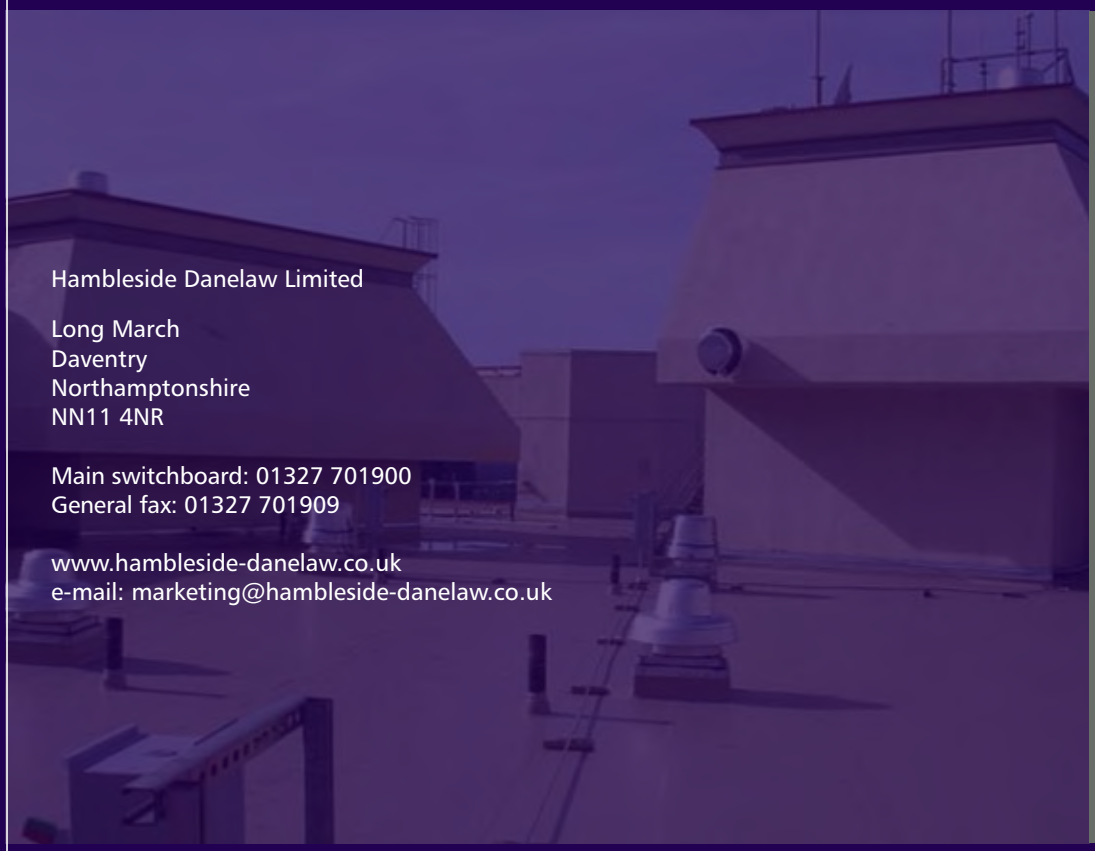

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FiberTite®