TECHNICAL DATA SHEET

LiquiFiber™

Embedded Reinforcement for Liquid Membranes

Physical property	Typical value	Test method
Color	White (glass strands and binder)	-
Application Temperature	Same as liquid membrane	-
Service Temperature	Same as liquid membrane	-
Puncture Resistance – Max Load	23.9 lb_f (106 N)	ASTM E154
Puncture Resistance – Max Elongation	171%	ASTM E154
Tear Initiation Resistance	47.9 lb_f (213 N) MD & CD	ASTM D4073
Tear Propagation Resistance	10 lb_f (44 N) MD & CD	ASTM D751, tongue tear
Breaking Strength – Grab Test	81.5 lb_f (363 N) MD & CD	ASTM D751 – Procedure A
Elongation at Break - Grab Test	30.4% MD & CD	ASTM D751 – Procedure A
Breaking Strength – Cut Strip	26.6 lb_f (118 N) MD & CD	ASTM D751 – Procedure B
Elongation at Break – Cut Strip	40.6% MD & CD	ASTM D751 – Procedure B

*Tested on LiquiFiber™ embedded in Barritech™ VP

Description

LiquiFiber™ is a fabric consisting of randomly oriented glass strands held together with a water-soluble binder. The product is laid into a wet layer of **Henry®** liquid membrane, where the binder dissolves and the glass strands become fully integrated into the membrane. Upon cure, membrane reinforced with **LiquiFiber™** is seamless and fully adhered while having comparable tensile, tear and puncture strength to sheet membranes.

Features

- Long, randomly oriented glass strands provide high muti-directional tensile, tear and puncture strength
- Flash complex, multi-plane conditions with no measuring, cutting or build-up in corners
- Product from roll tears by hand – no knife or scissors required
- Self-gauging – minimum 40-mil (1mm) cured membrane required to bed and bury the glass fibers
- Unlike conventional fabrics, will not wrinkle, slide or fall out during installation
- Use of same liquid provides seamless transition from flashing detail to open membrane
- Details have same UV, service temp, vapor permeance, compatibility and fire properties as open membrane

Usage

LiquiFiber™ is an alternative to sheet membranes, liquid flashings and other embedded reinforcements in **Henry® Air-Bloc®17MR, Air-Bloc®16MR, Barritech™ VP, Barritech™ NP** and **Barritech™ NP LT** air/water resistive barrier systems and in **Liquiseal® 703** waterproofing. In these systems, **LiquiFiber™** is used in areas such as rough openings, angle changes, joints, pipe/duct penetrations, beam penetrations, terminations and complex detailing conditions.

Application

Surface Prep: Comply with substrate requirements in the respective liquid membrane Technical Data Sheet. **LiquiFiber™** is for reinforcing – it will not cover holes and cracks. Therefore, fill ALL joints, seams, cracks or holes with a **Henry®** sealant, struck flush to surface. Acceptable sealants include **925 BES, Air-Bloc® LF, Barribond HP, Moistop Sealant, LM 800XL, Henry #212, Henry #289, Kop R Lastic, Greenbond WB** and **CCW-201**.

Base Coat: Allow sealants used for surface prep to cure firm before proceeding with this step. Apply minimum 30 mils (0.75 mm) thickness of liquid membrane to the area accepting **LiquiFiber™**, plus about 1 inch (25 mm) further to ensure full embedding. Cut or tear **LiquiFiber™** from the roll and lay into the base coat. Use a detail roller or a brush fully loaded the liquid membrane to bed **LiquiFiber™** in place and encapsulate the fibers. Lap neighboring pieces of **LiquiFiber™** 1-2” (25-50mm) and apply liquid membrane between them. Bed **LiquiFiber™** tightly into corners and work outward from angle changes. Once **LiquiFiber™** is in place and fully encapsulated, stop - do not overwork the fibers. Encapsulate all **LiquiFiber™** the same day of installation – do not leave bare glass fibers exposed overnight.

Henry® - A Carlisle Company, 336 Coldstream Road Kimberton, PA 19446
Tel: 800-486-1278 **Email:** techservices@henry.com
www.henry.com

Revision Date: 08/21/2025

Top Coat: Allow base coat and encapsulated **LiquiFiber™** to dry firm before this step. Apply a minimum 30 mil (0.75mm) coating of the liquid membrane over the base coat and encapsulated fibers from the previous step. Allow top coat to dry firm. After drying, inspect for any breaches or imperfections in the work. Patch any of these with more liquid membrane or a **Henry®** sealant.

Limitations: Protect rolls from wetting during delivery, storage and handling. At colder temperatures (below 50°F/10°C) dissolution of binder is slower; allow product to set 2 to 5 minutes before working it into the detail. Obey limitations on the respective liquid membrane Technical Data Sheet.

Packaging

6” X 300’ (15 cm X 91.44 m) rolls, 8 per box, 1,200 ft^2 (111.54 m^2)

12” X 300’ (30 cm X 91.44 m) rolls, 4 per box, 1,200 ft^2 (111.54 m^2)

Storage

Store in original packaging in an area protected from high humidity and precipitation.

Henry® - A Carlisle Company, 336 Coldstream Road Kimberton, PA 19446
Tel: 800-486-1278 **Email:** techservices@henry.com
www.henry.com