

PRODUCT DATA SHEET

Bauder LiquiFIBRE Detailing Kit

Bauder LiquiFIBRE is a thick liquid waterproofing compound with built-in reinforcement fibres, which can be used as a solution for waterproofing around awkward penetrations of all shapes and sizes. The product is supplied in a convenient kit form, with all the necessary tools and PPE to enable it to be applied simply and correctly with minimal fuss.



Intended Use

LiquiFIBRE Detailing Kit is used when detailing awkward shapes or inaccessible areas where the use of sheet membranes or polyester fleece reinforcement is impractical and there is minimal differential movement. It can be used with Bauder Reinforced Bitumen and Single Ply systems as well as LiquiTOP and LiquiTEC cold applied liquid systems.

The product must be mixed with the Catalyst to cure.

The cured material has the following characteristics:

- Cold liquid applied
- Exceptionally fast curing
- Elastomeric flexibility
- Vapour permeable
- Chemical resistant
- UV resistant
- Hydrolysis and alkali hydrolysis resistant
- Solvent, halogen and isocyanate free

KIT CONTENTS	
Bauder LiquiFIBRE 5kg drum	3 Mixing Sticks
Catalyst 2 x 100g sachets	1 roll of Masking Tape
Bauder PMMA Cleaner 450ml	2 Paint Brushes
2 pairs of Disposable Gloves	1 sheet of Sandpaper
1 pair of Safety Glasses	Supplied in a bucket for mixing
Optional 1kg bag of mineral granules to match adjacent bitumen membrane capsheet at extra cost.	

Characteristic	Test method	Unit	Value
Coverage	-		1.5kg/m ² per coat 5 kg is sufficient to cover an area of 1.66m ²
Colour	-		Traffic Grey (RAL 7043 approx.)
Ambient and substrate temperature	-	°C	0 to +35
Atmospheric relative humidity	-	%	≤ 95
Dew point	-	°C	3° above dew point
Pot life at 20°C*	-	minutes	20 approx.
Curing time at 20°C*	-	minutes	30 approx.
Rainproof	-		45 approx.
Overcoat / traffic time	-		
Reaction to Fire	13501-1		Euroclass E

*Times will be slightly increased at lower temperatures and slightly reduced at higher temperatures.

UNITED KINGDOM

Bauder Ltd
70 Landseer Road, Ipswich, Suffolk IP3 0DH
T: +44 (0)1473 257671 E: technical@bauder.co.uk
bauder.co.uk

IRELAND

Bauder Ltd
O'Duffy Centre, Carrickmacross, Co. Monaghan
T: +353 (0)42 9692 333 E: technical@bauder.ie
bauder.ie

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INSTALLATION GUIDANCE

Installation is to be carried out by Bauder Approved Contractors in accordance with the specification and guidelines. Please consult the Bauder Technical Department.

Substrate assessment / pre-treatment / preparation

The substrates that are to receive Bauder LiquiFIBRE must be clean dry and free from dust, laitance, grease, oil and any other contaminants. Cover the surrounding completed waterproofing with a clean tarpaulin to protect from spills and splashes. Metal should be rubbed down thoroughly with Bauder PMMA Cleaner and abraded to provide a key. Any paint should be removed back to clean metal. Any rust that cannot be removed must be treated with 'Hammerite No.1 Rustbeater' strictly in accordance with the manufacturer's instructions.

Plastics (including PVC membranes) should be rubbed down with Bauder PMMA Cleaner and lightly abraded before carrying out adhesion testing.

Bauder PMMA Cleaner must be allowed to evaporate for 20 minutes and overcoated within 60 minutes.

Bauder PMMA Cleaner must not come into contact with bituminous membranes.

PLEASE NOTE:

Asphalt, exposed bitumen, timber, cementitious substrates, must be primed using LiquiPRIME GP which is available as a separate 2kg kit.

Initial mixing / decanting

Thoroughly mix the resin in the drum until the resin achieves a uniform consistency.

Mix in the drum before decanting.

Initial Masking and Preparation

Apply the masking tape onto the detail to be waterproofed, at a minimum height of 150mm above the finished surface level of the main roof waterproofing. Mask the perimeter of the works on the flat area as required (minimum 100mm from detail). Cover the mixing area with a clean tarpaulin to prevent contamination of the substrate. Stir the Bauder LiquiFIBRE thoroughly for 2 minutes.

First Application Coat

Pour half of the 5Kg container of Bauder LiquiFIBRE into the orange bucket. Add one sachet of catalyst to the bucket (half a sachet if the ambient temperature is over 15°C) whilst stirring until a smooth consistency is achieved. Apply a thick layer of catalysed Bauder LiquiFIBRE with a fully loaded bristle paint brush at a rate of 1.5kg/m². Remove the masking tape and allow to cure for a minimum of 45 mins. Pot life is approximately 30 minutes. Rainproof after approximately 30 minutes. Can be walked on after approximately 45 minutes.

Second Masking

Re-apply masking tape in a position that allows the second coat of Bauder LiquiFIBRE to cover a slightly larger area (5 mm all round) than the first coat.

Second Coat Application

Apply one sachet of catalyst (half a sachet if the ambient temperature is over 15°C) directly into the remaining half full tin of Bauder LiquiFIBRE whilst stirring until a smooth consistency is achieved. Apply a thick coat of Bauder LiquiFIBRE as before but with brush strokes at 90° to the first coat. If required, add Bauder mineral granules immediately by broadcasting by hand into the wet resin. Remove the masking tape and allow to cure for a minimum of 45 minutes. Pot life is approximately 30 minutes. Rainproof after approximately 30 minutes. Can be walked on after approximately 45 minutes.

Interruptions during works

Where work is interrupted for more than 12 hours or if soiled by rain etc., proceed as follows;

- For areas that are not fully aggregate filled, use Bauder PMMA Cleaner to clean and reactivate the transition area. Overlay after the Bauder PMMA Cleaner has evaporated and a minimum 20 minutes / maximum 60 minutes after application.
- For areas where the surface is aggregate filled, ensure that the surface is clean, dry and free from dust, grease, oil and any other contaminants prior to overlay but do not apply Bauder PMMA Cleaner.

Tool cleaning

Clean tools with Bauder PMMA Cleaner. Refer to the specific product data sheet.

Waste Material

Unused Bauder LiquiFIBRE should be catalysed in the tin and allowed to cure before disposal.

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Limitations

This product is not suitable for:

1. Application to surfaces with a temperature above 40°C or for use on surfaces with an operating temperature exceeding 80°C.
2. Waterproofing a joint between surfaces which are not securely fixed together (e.g. a protrusion through the deck which is not fixed to the deck).
3. Waterproofing across voids.

Storage

The product should be stored in a secure storage area, unopened in a dry condition at a temperature of 5°C to 25°C. Where there are storage containers on site, these may be suitable for storing products. This will ensure the stated shelf-life. The product will have a limited life once the container is opened. The products must not be exposed to a direct naked flame or other ignition sources, or to solvents or other chemicals. All information is provided as a guideline only. Open time and cure time are both dependent on a range of variables: temperature, substrate being bonded, method of application, weight of material applied and relative humidity.

Shelf Life

When stored correctly, the shelf life is a minimum 6 months.

Bauder reserves the right to amend information and product specifications without prior notice. All reasonable care has been taken to ensure that all data is current at the time of print, however because Bauder pursues a policy of constant development we recommend ensuring that your copy of this information is current by contacting our Technical Department at technical@bauder.co.uk

Recommendations for use should be verified as to the suitability and compliance with actual requirements, specifications, installation techniques and any applicable laws and regulations.

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