

Bauder LiquiFIBRE

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Product description

LiquiFIBRE is a cold applied fast curing liquid waterproofing resin containing fibre reinforcement. The product is a PMMA based resin and requires the addition of catalyst to trigger curing. It is solvent, isocyanate and halogen free.

Application fields

LiquiFIBRE is used when detailing awkward shapes or inaccessible areas where the use of LiquiDETAIL with Bauder 110g Reinforcement Fleece is impractical and there is minimal differential movement. It can be used with the LiquiTEC Roof, Detail and Balcony systems as well as Bauder Reinforced Bitumen and Single Ply systems.

The product must be mixed with Bauder Catalyst to cure. Bauder Catalyst must be ordered separately.



Article Number

GB81002055

Characteristic	Unit	Value
Gross weight	kg	11.1
Net weight	kg	10
Colour		Blue Grey RAL 7031 (approx.)
Base		Poly methyl methacrylate
Coverage	kg/m ²	3
Shelf life unopened	months	6
Ambient and substrate temperature	°C	0 to +35 (Where the temperature falls outside of this, please refer to Summer & Winter advice documents from Bauder).
Atmospheric relative humidity	%	≤ 95
Dew point	°C	3° above dew point
Pot life	minutes	20 approx.
Curing time at 20°C*		
Rainproof	minutes	30 approx.
Overcoat / traffic time	minutes	45 approx.
Reaction to fire	13501-1	Euroclass E

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

Storage guidance

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.

Packaging material

The product is packaged in tin plate steel pails with a tin plate steel lid and ring latch.

Weight of packaging approximately 1.1kg.

Handling/PPE

All persons using the product should be fully aware of the manual handling methods as roofing materials are heavy and can cause serious injury. When using the product, installers should be provided with, and wear, suitable personal protective equipment.

Technical data sheet



Emptying and disposal guidance

Containers which have been emptied, but not washed out in line with the specific methods and calculations prescribed in WP1 and WM3, should be classified as packaging containing residues of/or contaminated by hazardous substances using waste code 15-01-10. Containers with hazardous residues that have been emptied and washed-out in line with the method and calculations which are detailed in the industry guidance can be classified as non-hazardous waste packaging. Dependent upon the state of the waste resin, hardened or liquid, there are two different suggested waste codes:
Catalysed, hardened PMMA resins 17 02 03 – 'Plastic.'
'Un-catalysed, liquid PMMA resins 08 01 11 – 'Waste paint and varnish containing organic solvents or other dangerous substances'.

Further information/ documents

Current documents such as brochures, installation guides, etc. can be found by visiting www.bauder.co.uk

International Standards Organisation (ISO)

ISO 9001:2015 Quality Management	Certificates EN1271 and DEKRA 80408283
ISO 14001:2015 Environmental Management	Certificates A10552 and DEKRA 170408038

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

Ensure that the substrate is clean, dry, and free from dust, laitance, grease, oil and any other contamination, including surface applied curing membranes or treatments. The substrate must be assessed, treated, and prepared in accordance with the Bauder project specification. Apply the relevant primer ensuring it is applied to the substrate and allow to cure before applying LiquiFIBRE.

Initial mixing / decanting

Thoroughly mix the resin in the drum with a slow speed mixer until the resin achieves a uniform consistency. If required to decant, mix in the drum before decanting a measured weight into a suitable container.

Mixing

Measure the appropriate weight of catalyst for the weight of resin and the temperature as detailed in the table below and on the label on the back of the drum. Add the catalyst to the pre-mixed / decanted resin.

Thoroughly mix the resin and catalyst using a slow speed mixer for a minimum 2 minutes until the catalyst has been evenly distributed. Leave for a minimum of 1 minute to allow the catalyst to fully dissolve.

Re-mix and use the mixed material within the pot life.

Temperature	0°C to +5°C	+5°C to +15°C	+15°C to +35°C
Catalyst to resin %	6%	4%	2%
Catalyst per 10kg drum of resin	0.60kg	0.40kg	0.20kg

Note: Catalyst is supplied in 0.1 bags or 25 kg box.

Installation

Apply by brush to the substrate. For full details refer to the Bauder project specification.

Application: Add catalyst to the LiquiFIBRE at the rate indicated on the container. Apply catalysed Bauder LiquiFIBRE at a minimum rate of 1.5 kg/m² with a brush and allow to cure for a minimum of 45 minutes.

Apply a further layer of catalysed Bauder LiquiFIBRE at a minimum rate of 1.5 kg/m² by brush, using brush strokes at 90° to the first layer.

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 technical data sheet.

Safety Data Sheets are designed to provide the necessary information to recipients of substances and mixtures in the EU & UK. This product is classed as a substance/mixture; therefore, this product does have a requirement for a Safety Data Sheet.

