Technical data sheet

Bauder LiquiDETAIL

V6 17.07.2024

Product description	LiquiDETAIL is a fast curing, cold applied liquid waterproofing resin, for use on the detail area of the LiquiTEC Roof and Balcony Systems.
Application fields	LiquiDETAIL is used as the detail waterproofing in the Bauder LiquiTEC Roof and Balcony Systems. It is suitable for use in cold roof, warm roof and inverted applications. It is also used as cold applied liquid detailing for standalone gutters and in Bauder Reinforced Bitumen and Single Ply systems where hot works are not allowed or where complex details are present. It is applied by roller in two coats 'wet on wet', fully reinforced with Bauder 110g Reinforcement Fleece. The product is a PMMA based resin and requires the addition of catalyst to cure. It is solvent, isocyanate and halogen free. **The product must be mixed with Bauder Catalyst to cure. Bauder Catalyst must be ordered separately.**
Article Number	GB81002040

Characteristic	Unit	Value
Gross weight	kg	11.1
Net weight	kg	10
Colour		Blue Grey RAL 7031 (approx.)
Base		Poly methyl methacrylate
Coverage as a fully reinforced system (dependant on roughness and porosity of substrate)	kg/m²	3
Coverage as a Quartz aggregate bond coat	kg/m²	1.5
Shelf life unopened	months	6
Ambient and substrate temperature	°C	0 to +40 (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	25 approx.
Curing time at 20°C* **Rainproof** **Overcoat / traffic time**	minutes	 30 approx. 45 approx.
Root resistance **BS EN 13948 : 2007 FLL**		Pass
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.

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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	
Certification and environmental information	BBA Certificate	14/5152
	Environmental Product Declaration	EPD-DBC-20190116-IBE1-EN
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.

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 (Substrate/ambient)	0ºC to +15ºC	+15ºC to +40ºC
Catalyst to resin %	4%	2%
Catalyst per 10kg drum of resin	0.40kg	0.20kg

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

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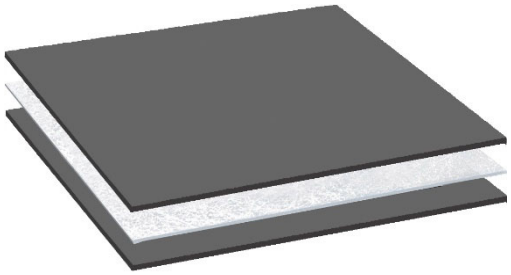
Installation

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

Detail Waterproofing Membrane

When used in conjunction with LiquiTEC waterproofing systems, always apply the details first. When used for discrete details with Bauder Reinforced Bitumen or Single Ply systems, install the main areas first.



The fully reinforced LiquiDETAIL system is to be used wherever it is practical to incorporate the reinforcement fleece. The system comprises a minimum 3kg/m² fully reinforced with Bauder 110g Reinforcement Fleece as follows; Apply an embedment coat of catalysed LiquiDETAIL as an even layer at a minimum rate of 2kg/m² with a synthetic deep pile roller. Brushes can be used where roller application is impracticable. Reinforce with Bauder 110g Reinforcement Fleece rolled into the wet embedment coat, pressing trapped air free using the synthetic deep pile roller or brush. Ensure the Bauder 110g Reinforcement Fleece is always fully saturated.

Apply a further coat of catalysed Bauder LiquiDETAIL at a minimum rate of 1kg/m², wet on wet.

Note: Consumption rates are based on smooth, even, non-absorbent substrates.

Surface Finish

When used in conjunction with a Bauder Reinforced Bitumen system an optional finish of slate flakes to match the flat area cap sheet can be applied into the wet top coat as detailed in the Bauder project specification.

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.

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