

TECHNICAL DATA SHEET

Bauder LiquiPOCKET Detailing Kit

Bauder LiquiPOCKET is a two component, flexible PMMA based resin compound, which is designed for use in conjunction with bitumen or PVC based waterproofing systems to seal around penetrations that are not possible to waterproof successfully with sheet membranes.



Intended Use

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

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	
LiquiPOCKET Resin 1kg canister	1 Mixing Stick
LiquiPOCKET Filler 4kg polybag	Supplied in a bucket for mixing
1 sheet sandpaper	
Optional 1kg bag of mineral granules to match adjacent bitumen membrane capsheet at extra cost.	

Characteristic	Test method	Unit	Value
Coverage	-		2600 cm ³ 5 kg is sufficient to cover an area of 250mm x 250mm x 40mm deep
Colour	-		Black Grey (RAL 7021 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	15 approx.
Curing time at 20°C*	-	minutes	30 approx. 60 approx.
Reaction to Fire	13501-1		Not tested

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

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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.

General Procedure

Substrate assessment / pre-treatment / preparation

The substrates that are to receive Bauder LiquiPOCKET 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.

Plastics should be lightly abraded.

Create a frame around the penetration

Create a frame to provide minimum 50mm clearance all-round the penetration. The frame should be 30-50mm deep and be a minimum of 10mm above any fixings that may be present.

The method to create the frame depends on the waterproofing system as detailed below.

Mixing the LiquiPOCKET resin

Pour entire contents of LiquiPOCKET resin into the empty bucket.

Slowly add LiquiPOCKET filler whilst stirring until the two products are completely mixed into a smooth uniform consistency.

Leave for 1 minute and then remix thoroughly.

Fill the frame with mixed LiquiPOCKET

Pour the mixture into the pocket, ensuring it is completely filled to the top as this will avoid ponding water collecting at the detail.

If a depth of more than 50mm is required, the LiquiPOCKET mixture must be applied in two or more layers of 50mm maximum depth, allowing each layer to cure before the next layer is installed.

Additional Procedure for Bauder Reinforced Bituminous Membrane Systems

Use timber or metal angle to provide a minimum 50mm clearance all-round the penetration.

Apply appropriate Bauder primer for the waterproofing to the frame.

Use the appropriate Bauder waterproofing membrane to seal the frame and make it watertight and prevent leakage of the LiquiPOCKET resin.

Pour the mixture into the pocket, ensuring it is completely filled to the top as this will avoid ponding water collecting at the detail.

Apply mineral granules for bitumen membrane systems to match the adjacent capsheet if required. The mineral should be applied by hand immediately after the LiquiPOCKET has levelled out and before it cures.

Additional Procedure for Bauder Single Ply Systems

Use timber to provide a minimum 50mm clearance all-round the penetration.

Use the appropriate Bauder single ply membrane to seal the frame and make it watertight and prevent leakage of the LiquiPOCKET resin.

Pour the mixture into the pocket, ensuring it is completely filled to the top as this will avoid ponding water collecting at the detail.

Additional Procedure for Bauder Cold Applied Liquid Systems

Create a frame to provide a minimum 50mm clearance all-round the penetration - the frame can be temporary or permanent.

For a permanent frame use timber or metal angle, prime with the relevant primer and apply the waterproofing over

Pour the mixture into the pocket, ensuring it is completely filled to the top as this will avoid ponding water collecting at the detail.

For a temporary frame, apply debond tape or use a Closed cell polyethylene frame material. Once the resin has set, remove the frame and then if required apply the specified Bauder cold applied liquid system over.

Waste Material

Unused Bauder LiquiPOCKET should be mixed and allowed to cure before disposal.

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 (eg. a protrusion through the deck which is not fixed to the deck).
3. Waterproofing across voids.

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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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