

Bauder LiquiPAVE RF Mortar

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Product description

LiquiPAVE RF Mortar is a combination of LiquiPAVE R resin, LiquiPAVE F filler and Bauder Quartz. It provides a fast curing, cold applied liquid horizontal repair and levelling mortar. The PMMA based resin requires the addition of catalyst to cure. It is solvent, isocyanate and halogen free.

Application fields

LiquiPAVE RF Mortar is used for localised correction of low points on a concrete deck or asphalt substrates.
LiquiPAVE RF Mortar can be used to fill minor deflections of around 3-50mm. It is used in Bauder cold applied liquid systems.
It can also be used with Bauder Bakor Hot Melt systems.

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



Article Number

GB81002010 (LiquiPAVE R)
GB81002020 (LiquiPAVE F)

| Characteristic | Unit | Value |
|--|----------------------|---|
| Gross weights | kg | |
| LiquiPAVE R | | 11.1 |
| LiquiPAVE F | | 23.3 |
| Bauder Quartz (0.7 – 1.2mm) | | 25.4 |
| Net weight | | |
| LiquiPASTE Mortar comprises | kg | |
| LiquiPAVE R | | 10 drum |
| LiquiPAVE F | | 23 kg bag |
| Bauder Quartz (0.7 – 1.2mm) | | 25 bag |
| Bauder Catalyst | | 100g bag / 25kg box |
| Mixing ratio | | |
| LiquiPAVE R | | 1 part (10kg) |
| LiquiPAVE F | | 2.3 part (23kg) |
| Bauder Quartz (0.7 – 1.2mm) | | 2 part (20kg) |
| Bauder Catalyst | | Varies - see mixing section |
| Colour | | Buff |
| Base | | Poly methyl methacrylate resin Quartz filler and aggregate |
| Weight/density | kg/mm/m ² | 1.90 approx. |
| 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 | 15 approx. |

Technical data sheet



| | | |
|---------------------------------|---------|-------------|
| Curing time at 20°C* | | |
| Rainproof | | 30 approx. |
| Overcoat / traffic time | minutes | 60 approx. |
| Able to withstand stress | | 120 approx. |

*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 LiquiPASTE product is packaged in tin plate steel pails with a tin plate steel lid and ring latch. Weight of packaging approximately 1.1kg. LiquiPAVE F is packaged in a polyethylene sack, weighing approximately 300g. Bauder Quartz is packaged in a polyethylene sack, weighing approximately 400g. | |
| 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. | |
| 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.

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.

Once fully dissolved, re-mix and add the filler by slowly pouring the filler in the ratio 2.3 parts filler to 1 part resin (by weight) into the catalysed resin and thoroughly mixing with a slow speed mixer until the mixture achieves a smooth, uniform consistency and colour.

Add the quartz aggregate in the ratio 2.0 parts aggregate to 1 part resin (by weight) and mix with a slow speed mixer until the mixture achieves a uniform consistency. 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 | 600g | 400g | 200g |

Note: Catalyst is supplied in 100g bags or 25 kg box.

Technical data sheet



Installation

Pour and tamp to compact then level smooth using a float trowel.

When used in larger areas, temporary screeding battens to the required profile may be used. Remove before the mortar has fully cured. Allow the placed mortar to cure before infilling the batten spaces.

When used with LiquiTEC cold applied liquid systems, the mortar should be used to correct the deck before the waterproofing is installed.

When used with Bauder Bakor Hot Melt inverted roof installations, the mortar may be used direct to the deck or on top of the finished waterproofing as required.

Note: Consumption rate depends on the depth of the area to be filled and the surface profile and absorbency of the substrate.

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.