Technical data sheet

Bauder LiquiPAVE RF

V6 15.07.2024

Product description	LiquiPAVE RF is a combination of LiquiPAVE R resin and LiquiPAVE F filler. It is a fast curing, cold applied liquid self-levelling waterproofing aggregate bond coat. When topped with quartz, is suitable to receive heavy duty foot traffic. The product is a PMMA based resin and requires the addition of catalyst to cure. It is solvent, isocyanate and halogen free.
Application fields	LiquiPAVE RF is used as the quartz aggregate bond coat in the Deck Floor Layer in Bauder LiquiTEC Balcony Systems. It can also be used for localised correction of minor low points on a concrete deck. **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
Net weight		
LiquiPAVE RF comprises		
LiquiPAVE R	kg	10 drum
LiquiPAVE F		23 bag
Mixing Ratio		
LiquiPAVE R		1 part (10kg)
LiquiPAVE F		2.3 part (23kg)
Bauder Catalyst		Varies- see mixing section
Colour		Buff
Base		Poly methyl methacrylate resin Quartz filler
Shelf life unopened	months	Refer to separate component Technical Data Sheets
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.
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 LiquiPAVE R 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 0.3kg.
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

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	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.

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.

Use the mixed material within the pot life.

Temperature	**0ºC to +5ºC**	**+5ºC to +15ºC**	**+15ºC to +35ºC**
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 kg bags or 25 kg box.

Installation

Pour and level using a trowel.

Apply LiquiPAVE RF at a minimum rate of 4.0kg/m².

Embed a full cover of Bauder Quartz (0.4-1.2mm) at a rate of approximately 6.0kg/m² into the wet LiquiPAVE RF.

Allow to dry for a minimum of 2 hours, sweep away excess aggregate and vacuum clean.

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

Surfacing

Apply the Bauder Balcony, Walkway or Terrace surfacing option 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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