

Product Data Sheet

CaltechQC Balcony

Sheet No: CQCB1

Issued: July 2021

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Description

CaltechQC Balcony is a 2-component polymethylmethacrylate (PMMA) based waterproofing resin.

Use

For use as a waterproofing membrane on balconies, terraces and walkways, in both new-build and refurbishment applications.

Approvals

TBC

Initial mixing / decanting

- Thoroughly mix the resin in the drum with a slow speed agitator until the resin achieves a uniform consistency.
- If required, decant a measured weight of resin into a suitable receptacle.

Catalysing

- Measure the appropriate weight of CaltechQC Catalyst for the weight of resin and the temperature.
- Add the catalyst to the pre-mixed resin.
- Thoroughly mix the resin and catalyst using a slow speed mechanical agitator until the catalyst has been evenly distributed.
- Leave the resin and catalyst for 1 - 2 minutes to allow catalyst to dissolve.
- Re-mix prior to using the resin within the pot life.

Temperature	0°C - 5°C	5°C - 15°C	15°C - 35°C
Catalyst %	4%	4%	2%
Catalyst per 10.00kg of resin	0.40kg	0.40kg	0.20kg

Application

- Apply using a large Alumasc Roller on a Alumasc Telescopic Pole
 1. Loading the roller with CaltechQC Balcony, apply an even layer adjacent to any details to the width of the reinforcement fleece, at or above the minimum specified consumption for the reinforcement fleece embedment layer.
 2. Immediately place the roll of reinforcement fleece into the wet resin and roll in the direction of application, pressing trapped air free using the wet but not loaded roller and ensuring a minimum 50mm overlap between reinforcement strips (100mm if left over 12 hours).
 3. Loading the roller with CaltechQC Balcony immediately apply a further even layer by roller wet-on-wet at or above the minimum specified consumption for the reinforcement fleece top layer ensuring the reinforcement fleece is fully encapsulated.
 4. Repeat steps 1 – 3 until the main area is fully covered and allow to cure.

Cleaning

- If overlaid after more than 12 hours, clean with CaltechQC Cleaner and overlay between 20 and 60 minutes after cleaning.
- If the substrate is contaminated, clean with CaltechQC Cleaner and overlay between 20 and 60 minutes after cleaning.
- Clean tools with CaltechQC Cleaner.

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Packaging	Resin: 10kg drum Catalyst: 0.10kg bag / 1.00kg bag / 25.00kg box
Colour(s)	Pebble Grey (7032)
Coverage	3.00kg/m ² minimum.
Application	Large Alumasc Roller on a Alumasc Telescopic Pole
Curing time	Rainproof: approximately 45 minutes at +20°C. Can be walked on / next layer applied: approximately 1 hour at +20°C. Can be subjected to loads after: approximately 3 hours at +20°C. Maximum overcoat time: 6 months. Note: Drying times will be slightly increased at lower temperatures and slightly reduced at higher temperatures.
Pot life	Approximately 15 minutes at +20°C. Note: Pot life will be slightly increased at lower temperatures and slightly reduced at higher temperatures.
Storage	Can be stored unopened in a cool, dry, well ventilated place above freezing and out of direct sunlight in the original container. If the contents have been opened, re-seal ensuring the lid is air tight. Avoid direct sunlight on site.
Shelf-life	For at least 6 months if stored as above.

Health & Safety

Safety Data Sheets are available upon request and can also be downloaded directly from www.alumascroofing.com.

Technical Support

Technical advice is available from Alumasc Technical Services at:

Telephone: +44 (0)1744 648400

Email: technical@alumascroofing.com

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