

Product Data Sheet

CaltechQC Detail

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Description

CaltechQC Detail is a thixotropic, 2-component polymethylmethacrylate (PMMA) based detail waterproofing resin.

Use

For use as a waterproofing membrane for details on flat and pitched roofs, balconies, terraces and walkways, for 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	-5°C - 5°C	5°C - 15°C	15 - 35°C
Catalyst %	4%	4%	2%
Catalyst per 10.00kg of resin	0.40kg	0.40kg	0.20kg
Catalyst per 15.00kg of resin	0.60kg	0.60kg	0.30kg

Application

- Apply using a small Alumasc Roller
 - Loading the roller with CaltechQC Detail start at the top of the detail and apply an even layer working horizontally, gradually move down the detail until the detail is fully covered and incorporating any resin which may have pooled at the base of the detail, apply sufficiently onto the main area to allow an overlap at or above the minimum specified consumption for the reinforcement fleece embedment layer
 - Immediately embed the reinforcement fleece (pre-cut or from the roll) into the wet resin, 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)
 - Loading the roller with CaltechQC Detail 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
 - Repeat steps 1 – 3 until the details are 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 / 15kg drum Catalyst: 0.10kg bag / 1.00kg bag
Colours	Blue Grey (7031) / Pebble Grey (7032)
Coverage	3kg/m ²
Application	Alumasc Roller
Cure time	Rainproof after: approximately 30 minutes at +20°C Can be walked on / next layer applied: approximately 45 minutes at +20°C Maximum overcoat time: 6 months
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

The company pursues a policy of constant product development and information contained in this publication is therefore subject to change without notice. The customer is responsible for ensuring that each product is fit for its intended purpose and that the conditions for use are suitable. All quoted data is nominal and subject to production tolerances.

