

# Product Data Sheet

## CaltechQC Detail FR

Sheet No: CQCDFR1

Issued: July 2021

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### Description

CaltechQC Detail FR is a 2-component, fibre reinforced polymethylmethacrylate (PMMA) based waterproofing resin.

### Use

For use as a waterproofing membrane on complex or restricted access roof details which cannot practically be waterproofed using fabric reinforcement.

### 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 %	6%	4%	2%
Catalyst per 10.00kg of resin	0.60kg	0.40kg	0.20kg

### Application

- Apply using a Alumasc Bent Brush or paint brush
  1. Load the brush with CaltechQC Detail FR and apply an even layer at or above the minimum specified consumption for the first layer, finishing the brush strokes in one direction and allow to cure
  2. Load the brush with CaltechQC Detail FR and apply an even layer at or above the minimum specified consumption for the second layer, finishing the brush strokes at 90° to the first application, checking to ensure there are no pin holes or voids 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.

### Product Data

Packaging	<b>Resin:</b> 10kg drum <b>Catalyst:</b> 0.10kg bag / 1.00kg bag
Colour(s)	Blue Grey (7031) / Pebble Grey (7032)
Coverage	3.00kg/m <sup>2</sup> minimum.
Application	Alumasc Bent Brush / paint brush
Curing time	<b>Rainproof:</b> approximately 30 minutes at +20°C. <b>Can be walked on / next layer applied:</b> approximately 45 minutes at +20°C. <b>Maximum overcoat time:</b> 6 months.  <b>Note:</b> Curing times will be slightly increased at lower temperatures and slightly reduced at higher temperatures.

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Pot life	Approximately 20 minutes at +20°C. <b>Note:</b> 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](http://www.alumascroofing.com).

### Technical Support

Technical advice is available from Alumasc Technical Services at:

Telephone: +44 (0)1744 648400

Email: [technical@alumascroofing.com](mailto: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.

