

Description

Caltech QC FR Detail is a two-component, fibre reinforced polymethyl methacrylate (PMMA) based waterproofing resin.

Use

For complex or restricted access roof details which are impractical to waterproof using traditional materials or fabric reinforced liquid systems.

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 Caltech QC 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	6°C - 15°C	16°C - 35°C
Catalyst %	6%	4%	2%
Catalyst per 10 kg of resin	0.60 kg	0.40 kg	0.20 kg

Product Information

Packaging	Resin: 10kg drums Catalyst: 0.10kg bag / 25kg box
Colour	Blue Grey (RAL7031)
Cure time	Rainproof: approximately 30 minutes at +20°C.
Pot life	Approximately 20 minutes at +20°C. Times will be slightly increased at lower temperatures and reduced at higher temperatures.
Storage	Store unopened in the original container in a cool, dry, well-ventilated area above freezing and away from direct sunlight. Once opened, reseal the container tightly and avoid direct sunlight during storage on site.
Shelf-life	Shelf life: approximately 12 months when stored as directed. Ensure material mixes uniformly and cures correctly before use. Store catalyst below 30°C in sealed containers, away from heat, ignition sources, and direct sunlight.

Application

- Prior to application, substrate temperature must be a minimum of 3°C above dew point.
- Apply an initial coat of catalysed Caltech QC FR to the prepared substrate at a minimum coverage rate of 1.5 kg/m², using a short to medium piled roller, or bristle brushes for detail work.
- Once cured, apply an additional coat of catalysed Caltech QC FR at a minimum coverage rate of 1.5 kg/m² and allow to cure.

For full installation requirements, refer to the Alumasc project specification.

Health & Safety

Copies of Alumasc Safety Data Sheets can be downloaded from the Alumasc Roofing [website](#).