

Description

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

Use

Liquid-applied waterproofing membrane for field area application in new build and refurbishment works.

Approvals

BBA Certificate 17/5392.

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 - 15°C	16°C - 35°C
Catalyst %	4%	2%
Catalyst per 20 kg of resin	0.80 kg	0.40 kg

Product Information

Packaging	Resin: 20kg drums Catalyst: 0.10kg bag / 25kg box
Colour	Blue Grey (RAL7031)
Cure time	Rainproof: approximately 30 minutes at +20°C. Can be walked on / next layer applied: approximately 45 minutes at +20°C. Can be subjected to loads after: approximately 2 hours at +20°C.
Pot life	Approximately 15 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	Approximately 12 months when stored as directed. 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 Caltech QC to the prepared substrate at a coverage rate of 2.0 kg/m², using a short to medium piled roller.
- Whilst wet, immediately lay the QC RF1 10 fleece matting into the wet resin.
- Immediately apply a further even coat of Caltech QC by roller at a coverage rate of 1.0 kg/m², wet-on-wet.

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](#).