

Description

Caltech QC Primer C is a 2-component polymethylmethacrylate (PMMA) based priming resin.

Use

For use as a primer for concrete / brick like substrates, such as:

- Concrete / dense screed / mortar
- Polymer modified concrete / concrete repairs
- Natural cement based products
- Brickwork / blockwork
- Stone / masonry
- Exposed aggregate render
- Calcium silicate board
- Cement fibre board
- Other cementitious materials
- Other substrates subject to testing

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 Alumasc 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	5°C - 15°C	15 - 35°C
Catalyst %	6%	4%	2%
Catalyst per 10.00kg of resin	0.60kg	0.40kg	0.20kg

Application: Details

- Apply using a small roller
 1. Loading the roller with Caltech QC Primer C, start at the top of the detail and apply an even layer working horizontally, gradually moving down the detail until the detail is fully covered at or above the minimum specified consumption
 2. Maintaining the wet edge, loading the roller with Caltech QC Primer C and incorporating any resin which may have pooled at the base of the detail, apply 50mm onto the main area (100mm if to be overlaid after more than 12 hours) at or above the minimum specified consumption.
 3. Repeat steps 1-2 until the details are fully covered and allow to cure.

Application: Main Area

- Apply using a large roller on a telescopic pole:
 1. Loading the roller with Caltech QC Primer C apply an even layer adjacent to any details (overlapping the previously applied detail Caltech QC Primer C to the main area) and to the border of the application area, always ensuring that a wet edge can be maintained and the substrate is fully covered at or above the minimum specified consumption.
 2. Loading the roller with Caltech QC Primer C, apply an even layer to the main area ensuring the substrate is fully covered at or above the minimum specified consumption and stopping to enable the previously applied material to be back rolled whilst wet.
 3. Standing at the wet edge, lift the wet but not loaded roller and place in the material adjacent to the detail or onto previously back rolled material and roll back in a straight line to the wet edge.
 4. Not lifting the roller, roll back to the starting position and at the end of the stroke release pressure and lift the roller.
 5. Move the roller to the side, overlapping the previously back rolled material by approximately 25% of the roller width and repeat steps 3-4 until the material has been fully back rolled.
 6. Repeat steps 1-5 until the main area is fully covered and allow to cure.

Cleaning

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

Product Data

Packaging	Resin: 10kg drum Catalyst: 0.10kg bag / 1.00kg bag / 25.00kg box
Colour(s)	Unpigmented
Coverage	0.40kg/m ² minimum
Cure time	Rainproof: approximately 25 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 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

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