

Product Data Sheet

CaltechQC Primer C

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 Issued: July 2021
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Description

CaltechQC 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 Alumasc Roller
 1. Loading the roller with CaltechQC 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 CaltechQC 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 Alumasc Roller on a Alumasc Telescopic Pole
 1. Loading the roller with CaltechQC Primer C apply an even layer adjacent to any details (overlapping the previously applied detail CaltechQC 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 CaltechQC 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 6 – 7 until the material has been fully back rolled
 6. Repeat steps 4 – 8 until the main area is fully covered and allow to cure

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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	Resin: 10kg drum Catalyst: 0.10kg bag / 1.00kg bag / 25.00kg box
Colour(s)	Unpigmented.
Coverage	0.40kg/m ² minimum.
Application	Details: Small Alumasc Roller Main area: Large Alumasc Roller on a Alumasc Telescopic Pole
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

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.