

Caltech QC High Performance Balcony Systems comprise a range of rapid curing two-component, cold-applied, reinforced PMMA waterproofing solutions available in a wide range of colours and multiple finish options to meet your aesthetic or safety requirements. Caltech QC has a proven track record of more than 20 years and is subject to the highest levels of certification and testing. Our systems are designed for a variety of applications for use across all building sectors in both refurbishment and new-build waterproofing projects.

Where to Specify

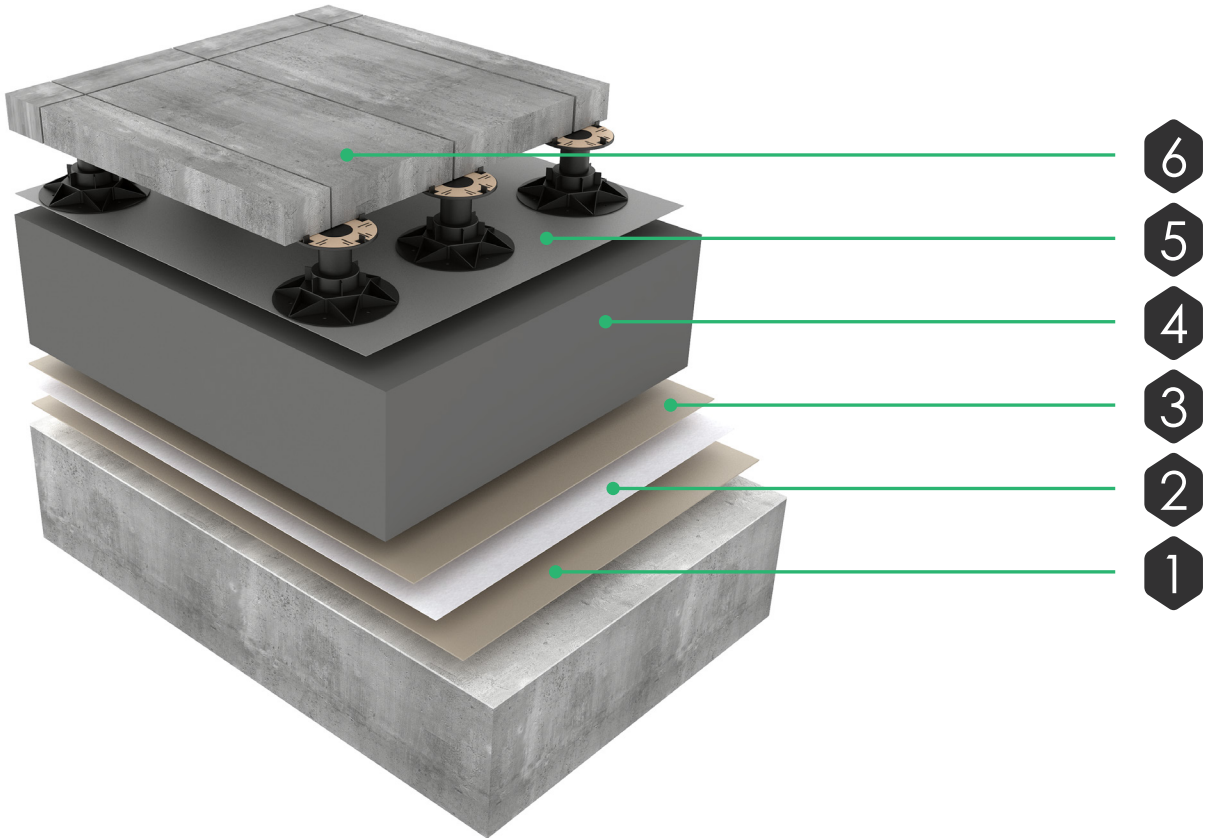
- New Build
- Refurbishment
- Balconies
- Terraces
- Overlay of existing waterproofing systems
- Compatible with all conventional roofing substrates

Durability

BBA Certified - When installed on stable substrates and regularly maintained, the system will have a life in excess of 15 years.

System Options

- **Caltech QC Balcony**
For buried and inverted build-ups to external walkways, balconies and terraces
- **Caltech QC Balcony Plus**
For external walkways, balconies and terraces
- **Caltech QC Coating**
For cantilevered walkways, balconies and terraces or areas over an unoccupied space



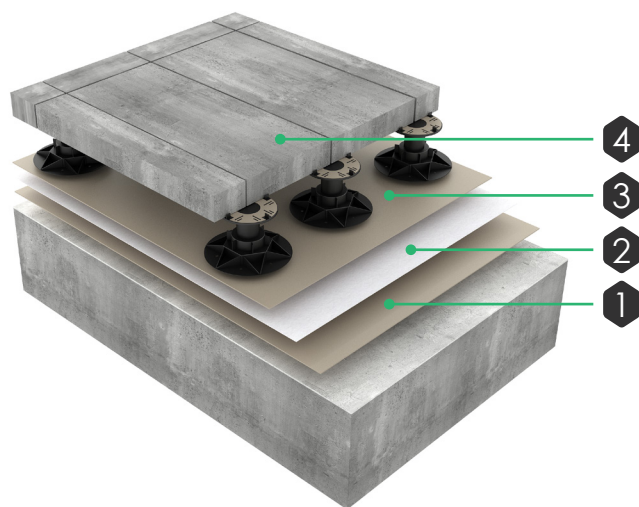
Typical QC Balcony - Buried/Insulated System with Finishes	
6	Surface finishes of choice
5	LO-k Water Flow Reducing Layer (WFRL)
4	XPS Insulation or Class A fire rated alternative
3	Caltech QC Balcony @1.0kg/m²
2	QC RF110 (polyester reinforcing fleece)
1	Caltech QC Balcony embedment coat @2.0kg/m²
	Primer, type according to the substrate

CALTECH QC BALCONIES

Other Common System Types



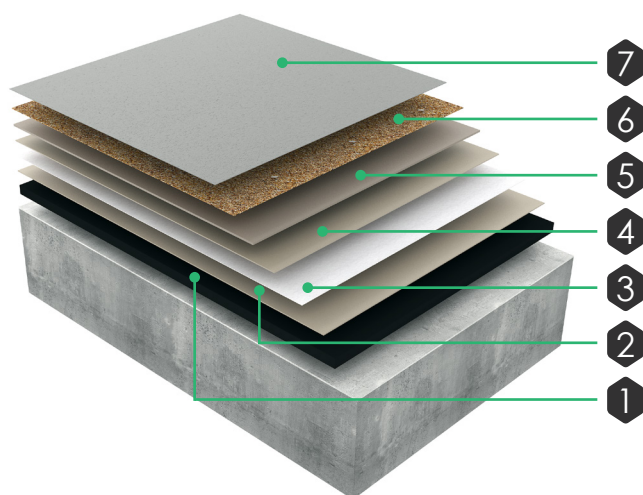
ALUMASC
ROOFING



QC Balcony - Buried/Cold System with Finishes

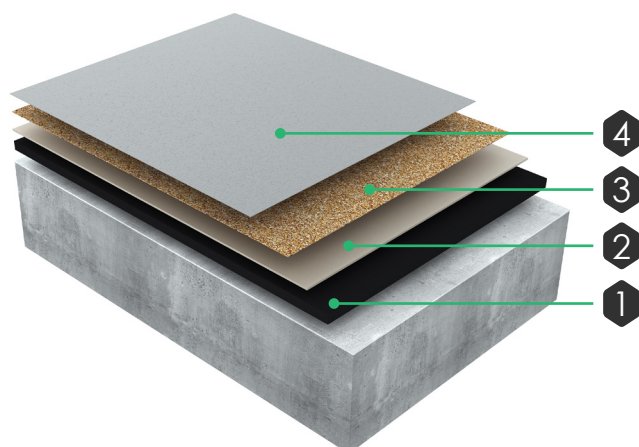
4	Surface finishes of choice
3	Caltech QC Balcony @1.0kg/m ²
2	QC RF110 (polyester reinforcing fleece)
1	Catech QC Balcony embedment coat @2.0kg/m ²
	Primer, type according to the substrate

NB. Subject to surface finish Caltech HD Coat @ 1.5kg/m² (+ finish) or minimum 300g/m² geotextile separating layer may be required.



QC Balcony Plus – Cold Overlay to Existing Waterproofing

7	QC Finish Coat @0.60kg/m ²
6	Caltech Quartz mineral broadcasted into wet coat
5	QC Balcofloor Filler & Resin (Mixed) @4kg/m ²
4	Caltech QC Balcony @1.0kg/m ²
3	QC RF110 (polyester reinforcing fleece)
2	Catech QC Balcony embedment coat @2.0kg/m ²
	Primer, type according to the substrate
1	Existing waterproofing



QC Coating – Cold Overlay to Existing Waterproofing

4	QC Finish Coat @0.60kg/m ²
3	Caltech Quartz mineral broadcasted into wet coat
2	QC Balcofloor Filler & Resin (Mixed) @4kg/m ²
	Primer, type according to the substrate
1	Existing waterproofing



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Approvals

- BBA Certificate No. 17/5392
- Fire classification of **B_{roof} (t4)** in accordance with BS EN 13501-5



Warranties

Alumasc offers a comprehensive range of single-source warranty options for up to 10 years covering the anti-slip surface and up to 25 years for the waterproofing element. Installed exclusively by Registered Contractors and underpinned by Alumasc's extensive project support service, Alumasc warranties cover product, workmanship, and design.



Technical Support

Alumasc Technical Services can advise on all aspects of product selection, specification and integration of Alumasc systems into any building design.

