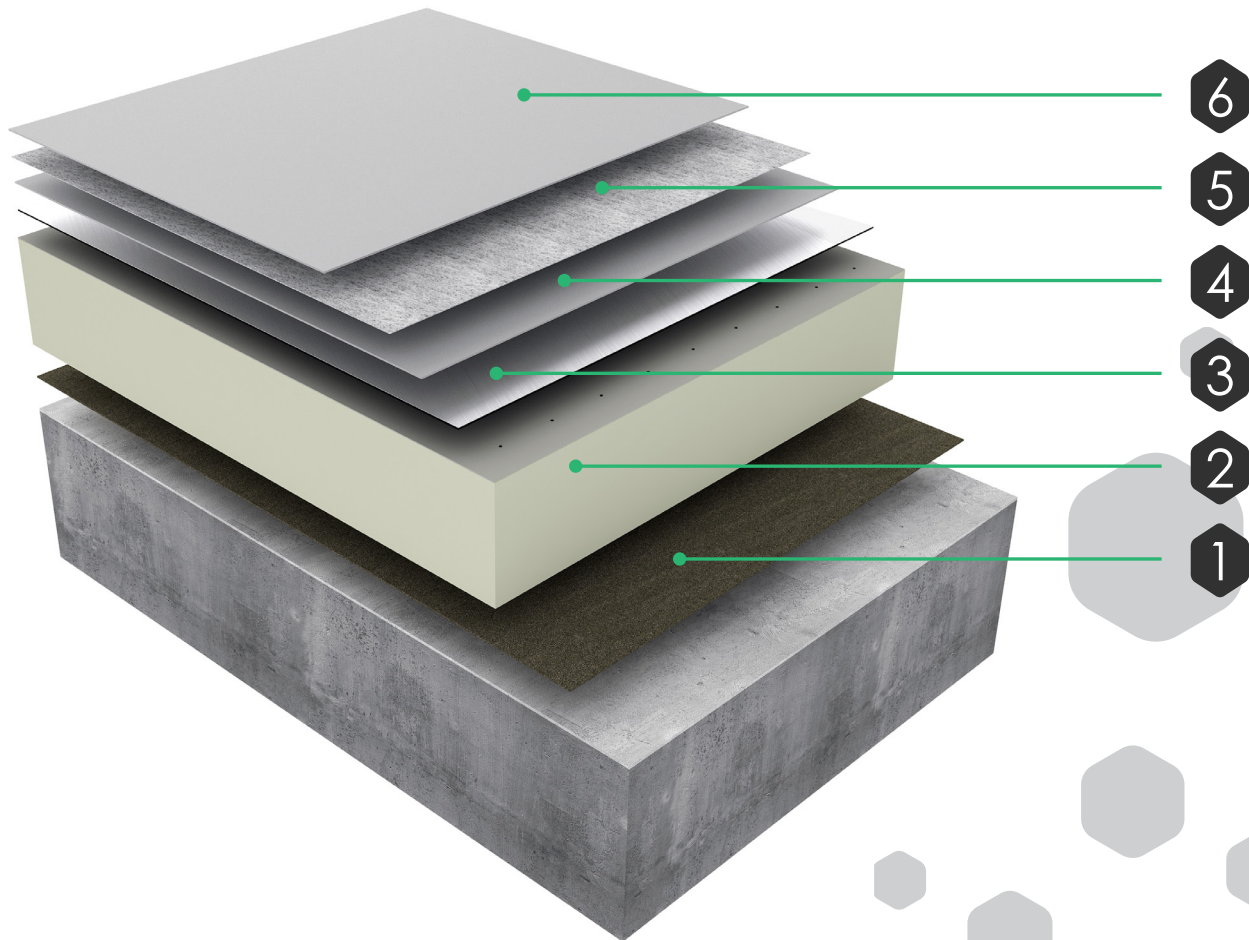# CALTECH UV

ALUMASC ROOFING

Caltech UV High Performance Roofing Systems comprise a single-component, cold-applied, fully reinforced moisture-triggered polyurethane based membrane, insulation boards and air and vapour control layers (AVCL). Caltech UV is applied in liquid form in two layers with an embedded reinforcing glass fibre matt to form a seamless, durable, smooth waterproof finish. The system is fully adaptable to meet the individual requirements of every project for use across all building sectors in both refurbishment and new-build roofing projects.

✅ Where to Specify

- New Build
- Refurbishment
- Cold roofs
- Warm roofs (all roofing insulations)
- Overlay of existing waterproofing systems
- Compatible with all conventional roofing substrates
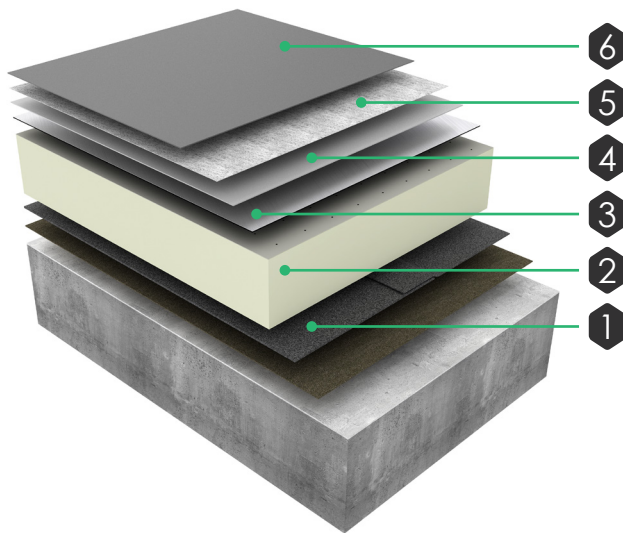
✅ Durability

When installed on stable substrates and regularly maintained, the system will have a life in excess of 25 years.

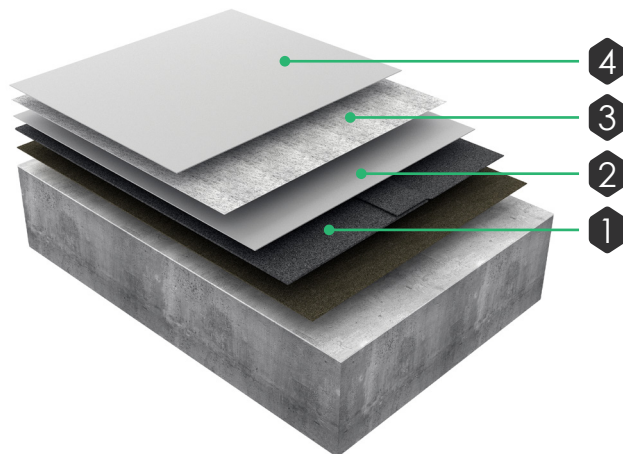| Typical Assembly	
6	Caltech UV top coat *
5	Caltech G-Matt (non-woven glass fibre reinforcing matt)
4	Caltech UV embedment coat *
3	Caltech Preparation Layer
	Euroroof SA Primer
2	PIR Insulation (type GTF) or Class A fire rated alternative
	PU Insulation Adhesive
1	Air & Vapour Control Layer, type according to the substrate
	Alumasc Primer, type according to AVCL
* Coverage rates vary according to warranty term and/or substrate condition.	

CALTECH UV
Other Common System Types

ALUMASC ROOFING

Insulated Overlay of Existing Waterproofing

6	Caltech UV top coat
5	Caltech G-Matt (non-woven glass fibre reinforcing matt)
4	Caltech UV embedment coat
3	Caltech Preparation Layer
	Euroroof SA Primer
2	PIR Insulation (type GTF) or Class A fire rated alternative
	PU Insulation Adhesive
1	Existing waterproofing

NB. Air & Vapour Control Layer may be required, subject to condition of the existing waterproofing.

Cold Overlay of Existing Waterproofing

4	Caltech UV top coat
3	Caltech G-Matt (non-woven glass fibre reinforcing matt)
2	Caltech UV embedment coat
	Primer, type according to the substrate
1	Existing waterproofing

Warranties

Alumasc offers a comprehensive range of single-source warranty options for up to 25 years. 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.

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