

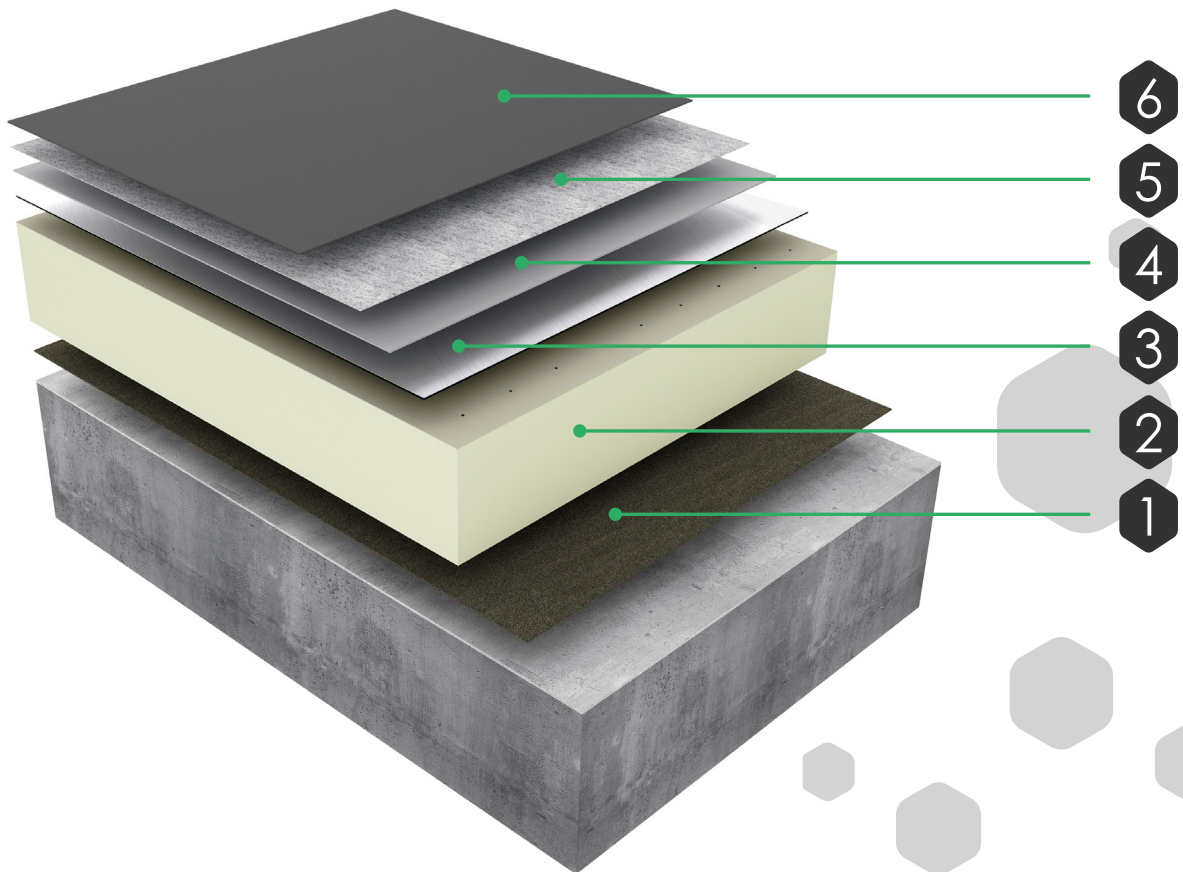
Caltech FCP High Performance Roofing Systems comprise a rapid curing two-component, cold-applied, fully reinforced hybrid polymer resin, insulation boards and air and vapour control layers (AVCL). The application with embedded glass fibre matting forms a seamless, durable membrane that is rainproof in just 30 minutes. Caltech FCP has a proven track record and is subject to the highest levels of certification and testing. The system is fully adaptable to meet the individual requirements of every project, including a wide range of colours and optional finishes, for use across all building sectors in both refurbishment and new-build roofing and waterproofing projects.

## ✓ Where to Specify

- New Build
- Refurbishment
- Cold roofs
- Warm roofs (all roofing insulations)
- Overlay of existing waterproofing systems
- Inverted roofs
- Buried membrane applications incl. hard/green roofs
- Balconies
- Compatible with all conventional roofing substrates

## ✓ Durability

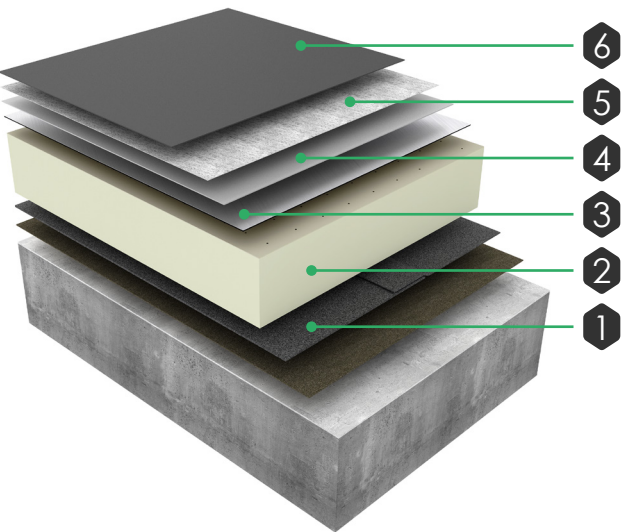
BBA Certified - When installed on stable substrates and regularly maintained, the system will have a life in excess of 30 years.



Typical Assembly	
6	Caltech FCP top coat *
5	Caltech FCP 225 GSM (glass fibre reinforcing matt)
4	Caltech FCP embedment coat *
3	Caltech Preparation Layer
	Eurorof 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 FCP

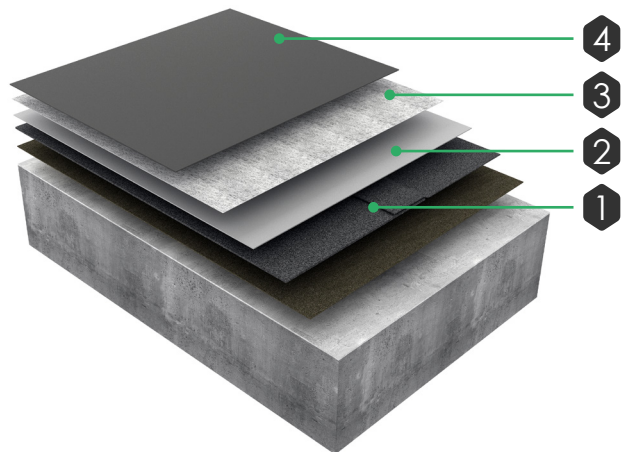
Other Common System Types



## Insulated Overlay of Existing Waterproofing

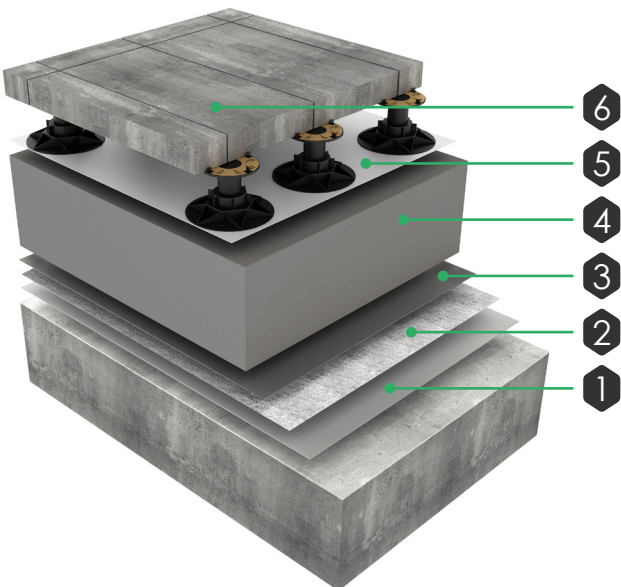
6	Caltech FCP top coat
5	Caltech FCP 225 GSM (glass fibre reinforcing matt)
4	Caltech FCP embedment coat
3	Caltech Preparation Layer
	Eurorof SA Primer
2	PIR Insulation (type GTF) or Class A fire rated alternative
	PU Insulation Adhesive
1	Existing waterproofing

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



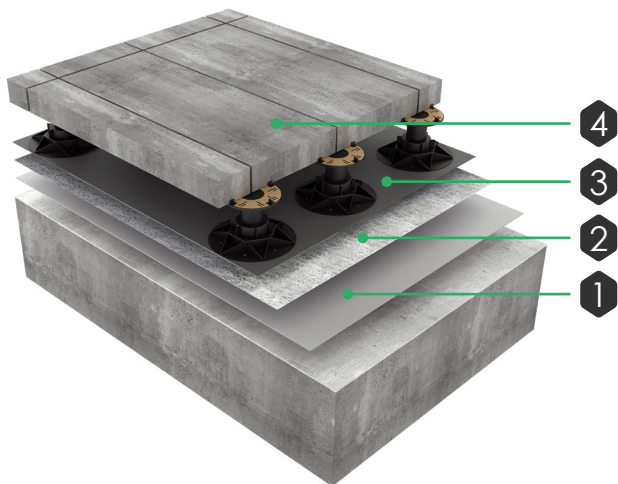
## Cold Overlay to Existing Waterproofing

4	Caltech FCP top coat
3	Caltech FCP 225 GSM (glass fibre reinforcing matt)
2	Caltech FCP embedment coat
	Caltech FCP Universal Primer
1	Existing waterproofing



## Inverted Roof

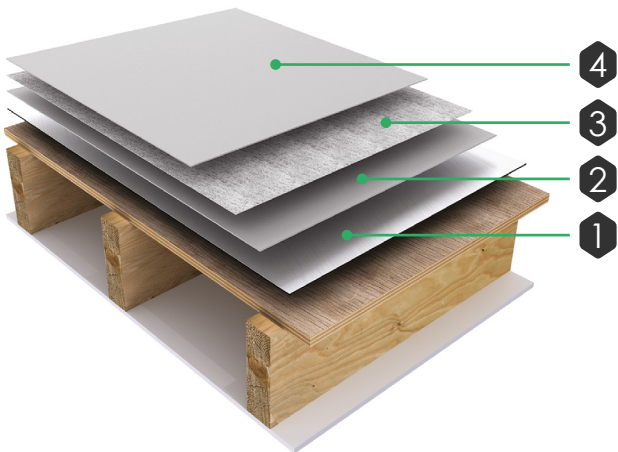
6	Surface finishes of choice
5	LO-k Water Flow Reducing Layer (WFRL)
4	XPS Insulation or Class A fire rated alternative
3	Caltech FCP top coat
2	Caltech FCP 225 GSM (glass fibre reinforcing matt)
1	Caltech FCP embedment coat
	Caltech FCP Universal Primer



### Cold/Buried Application with Finishes

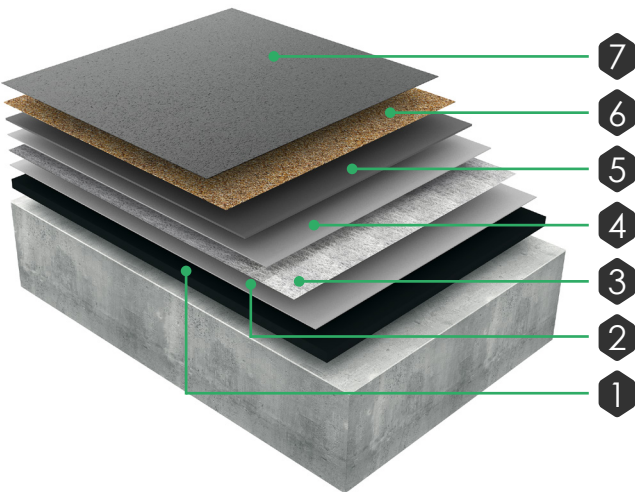
4	Surface finishes of choice
3	Caltech FCP top coat
2	Caltech FCP 225 GSM (glass fibre reinforcing matt)
1	Caltech FCP embedment coat
	Caltech FCP Universal Primer

**NB.** Additional protection measures may be required subject to overlying surface finishes. Consult with Alumasc technical services where applicable.



### Cold Application to Plywood

4	Caltech FCP top coat
3	Caltech FCP 225 GSM (glass fibre reinforcing matt)
2	Caltech FCP embedment coat
1	Caltech Preparation Layer
	Eurorof SA Primer



### Balcony System – Cold

7	Caltech FCP Finish Coat
6	Caltech Quartz mineral broadcasted into wet coat
5	Caltech FCP HD coat (additional FCP coat)
4	Caltech FCP top coat
3	Caltech FCP 225 GSM (glass fibre reinforcing matt)
2	Caltech FCP embedment coat
	Primer, type according to the substrate
1	Existing waterproofing / Substrate



## Approvals

- BBA Certificate No. 22/5988
- Fire classification of **B<sub>roof</sub> (t4)** in accordance with BS EN 13501-5



## 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.

