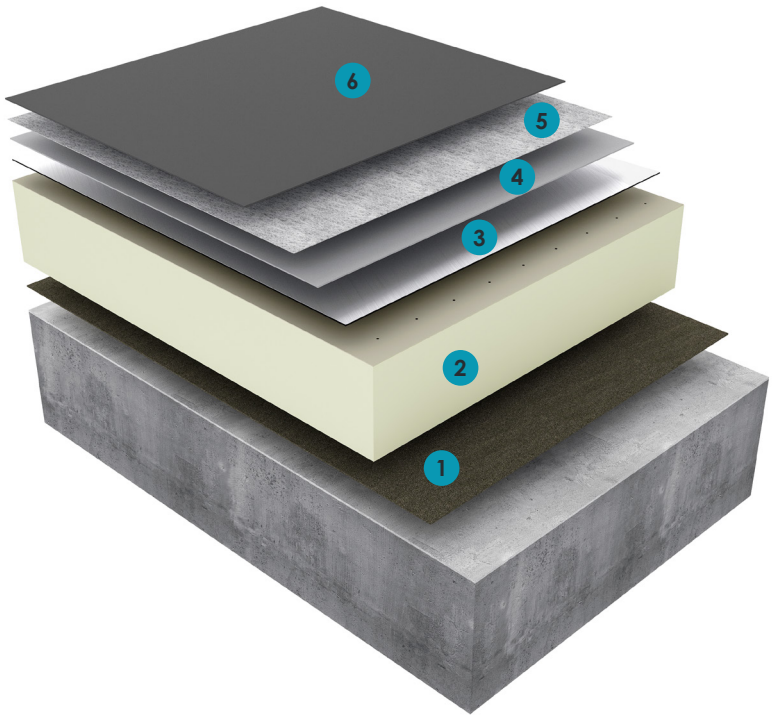
CALTECH FCP-LO

Caltech FCP-LO is a low-odour, catalyst-cured, cold applied liquid waterproofing system for flat roofs. Installed using a multi-coat application with embedded glass fibre reinforcement, the system creates a seamless, robust membrane that becomes rain-resistant within 10–20 minutes. Its low-odour formulation is specifically developed for sensitive and occupied environments where odour control and minimal disruption are essential.

The system includes primers, air and vapour control layers (AVCL), warm and non-combustible thermal insulation options, and ancillary components.



Typical System Build-Up

Warm Roof Assembly

6. Caltech FCP-LO top coat*
5. Caltech FCP 450 GSM Reinforcement
4. Caltech FCP-LO embedment coat*
3. Caltech Preparation Layer

   Euroroof SA Primer
2. Alumasc GTF PIR Insulation or Class A fire rated alternative

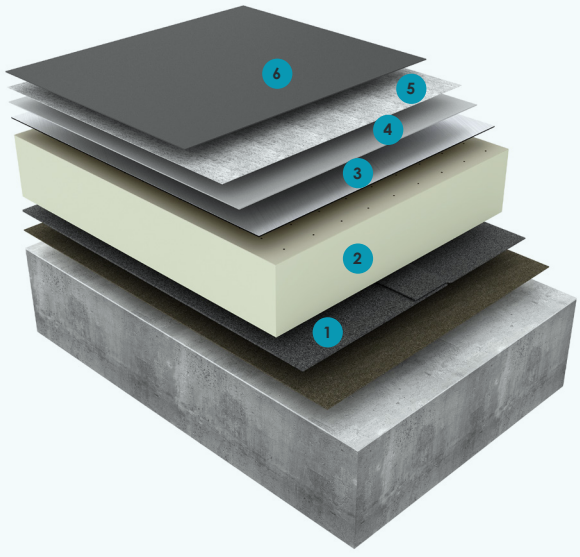
   Euroroof PU Insulation Adhesive
1. Air & Vapour Control Layer, type according to substrate

   Alumasc Primer, type according to AVCL

Warranties

Alumasc offers single-point warranty options for up to 25 years. Installed exclusively by Registered Contractors and underpinned by Alumasc's extensive project support service. Warranties cover product, workmanship, and design.

Other System Build-Up Options



Insulated Overlay of Existing Waterproofing

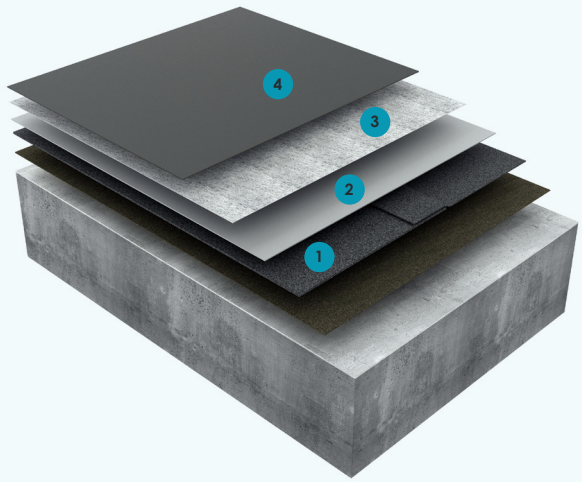
6. Caltech FCP-LO top coat*
5. Caltech FCP 450 GSM Reinforcement
4. Caltech FCP-LO embedment coat*
3. Caltech Preparation Layer

   Euroroof SA Primer
2. Alumasc GTF PIR Insulation or Class A fire rated alternative

   Euroroof PU Insulation Adhesive
1. Existing waterproofing (AVCL subject to condition)

**Coverage rates vary according to warranty term and/or substrate condition*

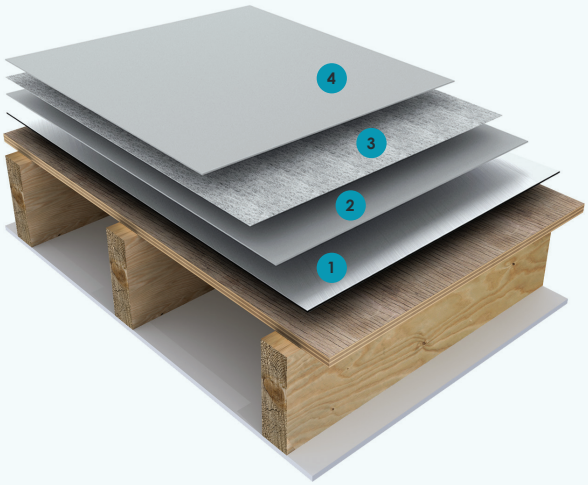
Other System Build-Up Options



Cold Overlay of Existing Waterproofing

4. Caltech FCP-LO top coat*
3. Caltech FCP 450 GSM Reinforcement
2. Caltech FCP-LO embedment coat*

   Caltech FCP Universal Primer
1. Existing waterproofing



Cold Application to Plywood

4. Caltech FCP top coat*
3. Caltech FCP 225 GSM Reinforcement
2. Caltech FCP embedment coat*
1. Caltech Preparation Layer

   Euroroof SA Primer

*Coverage rates vary according to warranty term and/or substrate condition

When to Specify

Caltech FCP-LO provides a versatile waterproofing solution suitable for a wide range of roof constructions, project types and applications, and is particularly suited to sensitive buildings where odour sensitivity and minimising disruption are critial, including:

- New build
- Refurbishment
- Cold roofs
- Warm roofs
- Overlay of existing waterproofing systems

Durability

BBA certified, Caltech FCP-LO provides long-term waterproofing performance and, when installed on stable substrates and regularly maintained, will provide a service life in excess of 30 years.

Approvals

- BBA Certificate pending
- Classified as B_{ROOF}(t4) to BS EN 13501-5 within approved and tested system assemblies

Technical Support

Alumasc Technical Services can advise on all aspects of product selection, specification and integration of Alumasc systems into any building design. For technical support, contact the team at technical@alumascroofing.com.