

ENGINEERED SOLUTION
CERTIFIED PERFORMANCE

AVS | ALUMASC
VENTILATED
SYSTEM

ADVANCED FACADE SOLUTION FOR STRUCTURAL TIMBER CONSTRUCTION



THE ALUMASC VENTILATED SYSTEM

The Alumasc Ventilated System (AVS), with textured silicone render, acrylic brick slip or dashing render finishes, provides a decorative, ventilated solution to meet the specific needs of the structural timber sector, bringing to market a robust BBA approved and NHBC accepted facade solution, engineered to meet UK Building Regulation requirements.



SYSTEM OVERVIEW

AVS provides a solution for the requirements and guidelines set out by both the NHBC and TRADA for timber framed construction.

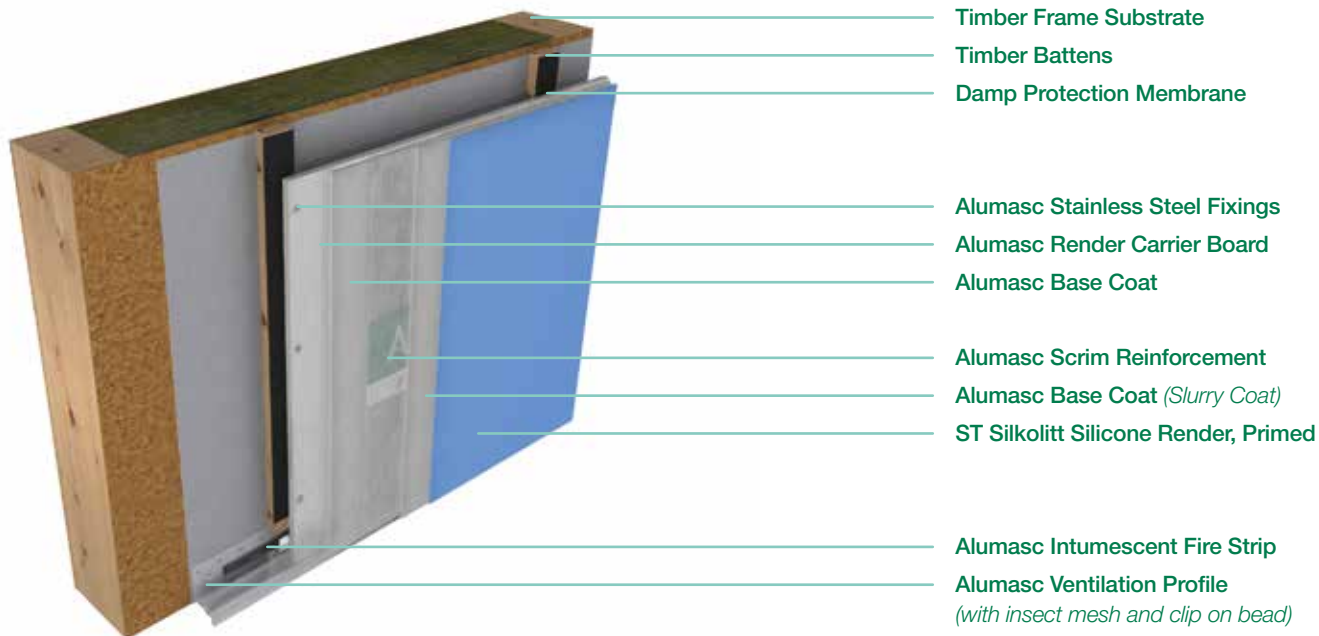
Due to the systems' free flowing cavity, it remains both continuously ventilated and drained whilst maintaining detailing true to traditional build expectations.

This ensures the timber substrate sustains its ventilation requirements and prevents any moisture tracking back to its fabric, providing a protected structure.

KEY FEATURES

- Designed for new build structural timber applications
- BBA approved and NHBC accepted
- Suitable for off-site manufacture (OSM)
- Can accommodate a range of cavity depths
- Fire performance - A2 rated
- Approved for use with acrylic brick slips, silicone render and dashing render
- Delivers accelerated build programmes
- 10 Year Warranty

TYPICAL SYSTEM BUILD UP



SPECIFICATION & TESTING

SUITABLE SUBSTRATES

- Open Panel Timber Frame
- Closed Panel Timber Frame
- Structural Insulated Panel Systems (SIPS)
- Volumetric Modular Build
- Light Gauge Steel Frame
- Suitable for off-site manufacturing processes

WEATHER & WIND RESISTANCE

- Approved for use in all exposure levels in the UK
- Fully tested to the requirements of ETAG 034 (Guideline for European technical approval for External Wall Claddings)
- Capable of withstanding design wind loads up to 5kN/m², as tested to the Centre for Window and Cladding Technology (CWCT) standards

FIRE PERFORMANCE

- A2-s1, d0 in accordance with BS 13501-1: 2007 Fire classification of construction products and building elements
- External fire spread – Class 0 in accordance with BS 476
- Designed with intumescent fire strips to prevent the spread of flame via the ventilated cavity

DURABILITY

- Effective service life in excess of 30 years (BBA statement)
- UV resistant
- Low maintenance

STRENGTH

- Impact resistant (ETAG 034 Category 1)
- Can be used in zones below 1.5m and in pedestrian thoroughfares
- Structurally evaluated by independent Consultant Engineers, ensuring structural stability in all environments

INSTALLATION

- Projects can be delivered more quickly than traditional building methods
- The system is significantly lighter, resulting in decreased foundation requirements
- Installed by Alumasc Approved AVS Contractors

CHOICE OF FINISH

A choice of final finish is available, addressing the architectural diversity of the UK and offering the final aesthetics that architects, designers and housebuilders are looking for.

Any brick in the marketplace can be colour matched via the use of lightweight acrylic brick slips. The system is also approved for use with high performance through-coloured silicone renders, along with an extensive range of dashing renders.

SILICONE RENDER



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- Over 400+ colour shades available
- Choice of grain size
- Durable, flexible and lightweight
- UV and water resistant

ACRYLIC BRICK SLIPS



ALUMASC ACRYLIC BRICK SLIPS

- All UK bricks can be colour-matched
- Durable, flexible and lightweight
- UV stable and weather resistant
- Easy to apply

DASHING RENDER



ALUMASC POLYMER DASHING RENDER

- Choice of dashing render colour
- Durable, flexible and lightweight
- High impact resistance
- Wide range of aggregate dash finishes

CONTACT US

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ALUMASC

FACADE SYSTEMS