

premium products • proven solutions

Uniclass	L517	
C1/SFB	(41)	(M2)

April 2005

Alumasc

premium architectural render systems for 21st century façade solutions



Major advances in render formulations, and new approaches to the use of render as the weatherproof facing for a variety of integrated façade solutions, have made render a logical choice for façade applications over the whole spectrum of contemporary building.



From Render systems to Façade solutions:

- A wide range of contemporary design led facings, plus traditional alternatives for premium refurbishment.
- A choice of facade systems to suit every type of building structure.
- Aesthetically vibrant, long lasting and eco-friendly
- BBA approved



Alumasc render systems - façades for the 21st century

The Alumasc Architectural Range combines aesthetic vibrancy, longevity and the inherent weathering features of render, with technical and service backup to provide integrated façade solutions for every type of structure.





a façade solution for every building context

Alumasc Render Systems

may be applied directly to structural walls. This is still a popular method of construction in contemporary building, and with a range that includes Silicone and Mineral renders, each available in a wide choice of integral colours, Alumasc can meet this need with greater cost effectiveness, longevity and freedom for architectural expression than ever before.



Alumasc Suspended Render Systems

are applied to an independent backing sheet, suspended from the building structure as a ventilated facade. The support rails are available with an adjustable bracket system providing commonality in fixing discipline with other cladding systems such as rainscreen and curtain walling. Alumasc Suspended Render Systems bring all the benefits of a continuous monolithic weathering surface to a cladding application. They are ideal for use on internally insulated buildings and also with timber frame and SIPs (Structural Insulated Panels) where the insulation is integral with the structure.



Alumasc Insulated Render Systems

totally encapsulate the building structure, which research has shown to be the most effective way of insulating a building, with least risk of cold bridging and interstitial condensation. Alumasc Insulated Render Systems on solid structures generally incorporate mineral wool or polystyrene insulation, secured direct to the substrate by mechanical fixing and/or adhesive. Framed structures require a backing board between the insulation and the frame, which in lightweight steel construction provides racking strength as well as supporting the insulation and render between frame members.



The Alumasc cork insulation option, which takes the form of interlocking sandwich panels with a sheet facing each side, allowing the insulation to be mechanically fixed to the frame in one operation. A system is also available with a drained cavity between the insulation and the frame, as required on lightweight steel frame contracts subject to NHBC approval.



Insulated Render Systems:

- Allow the fabric of the building to act as a heat store, increasing thermal efficiency, whilst preventing cold bridging and condensation
- Stabilise the structural fabric, limiting movement due to thermal shock
- Contribute to sound reduction

wide ranging design and specification choices

The aesthetic supremacy of Alumasc Façade systems is ensured by the range of market leading render facings.



Scraped



Grooved

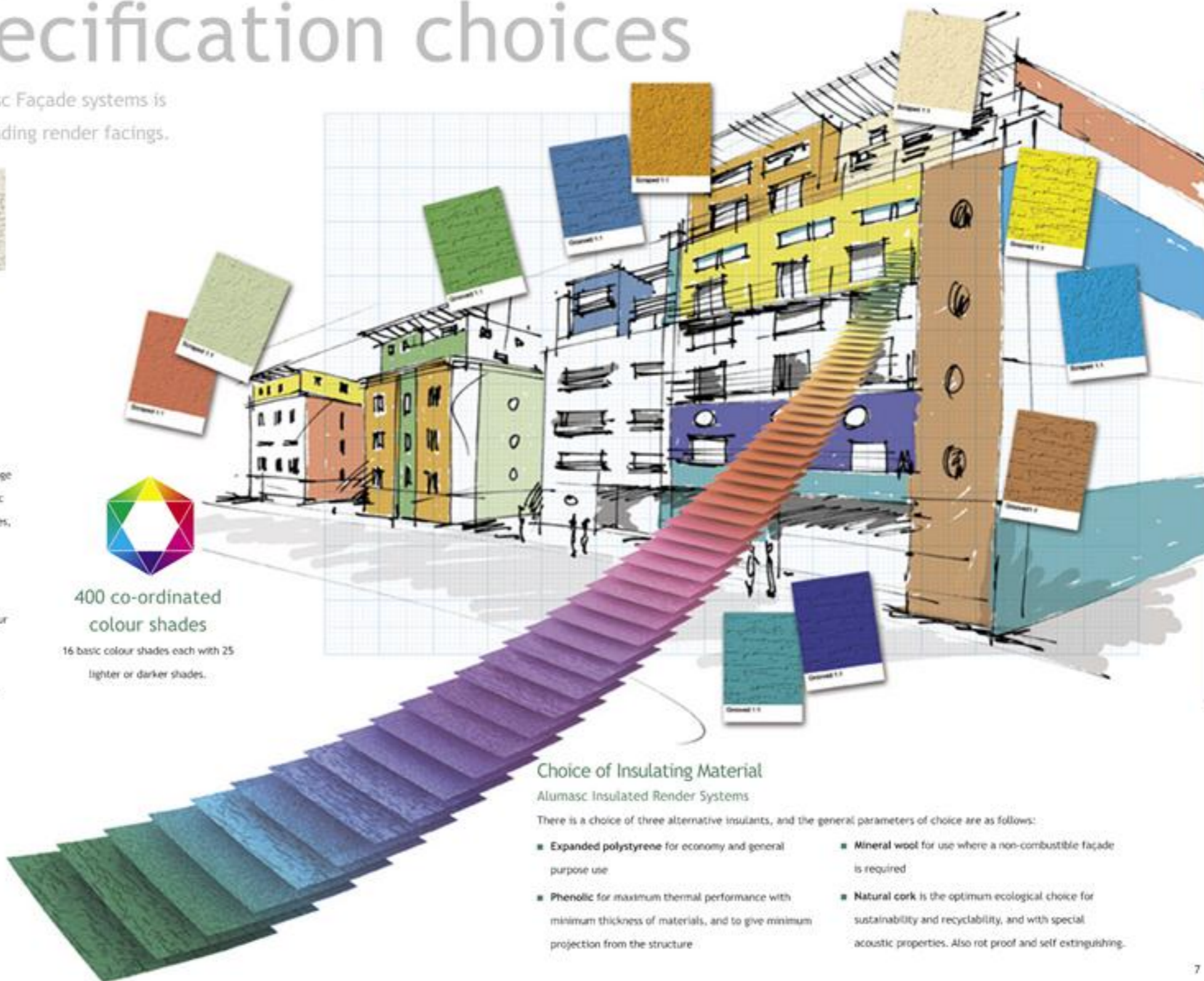
Choice of Render Facings

- All categories of Alumasc Render Façade System may be specified with Silicone or Mineral renders, giving unrivalled freedom in aesthetic treatment to suit the architectural vision
- For both Silicone and Mineral there is a choice between scraped or grooved surface texture, available in a wide range of through colours. For Silicone there is a choice of 16 basic colours, each available in a range of lighter or darker shades, all in accordance with the Alumasc Colour System. For mineral render, colour options are reduced, but still extensive.
- Silicone is the higher performance option with higher vapour permeability, enhanced water shedding capability, flexibility and resistance to surface dirt.
- Mineral render is composed of natural materials and is the Eco-friendly option
- Render facing systems may also be specified with the 'S' range of polymer cement renders for more traditional applications.



400 co-ordinated colour shades

16 basic colour shades each with 25 lighter or darker shades.



Choice of Insulating Material

Alumasc Insulated Render Systems

There is a choice of three alternative insulants, and the general parameters of choice are as follows:

- **Expanded polystyrene** for economy and general purpose use
- **Phenolic** for maximum thermal performance with minimum thickness of materials, and to give minimum projection from the structure
- **Mineral wool** for use where a non-combustible façade is required
- **Natural cork** is the optimum ecological choice for sustainability and recyclability, and with special acoustic properties. Also rot proof and self extinguishing.

total support from Alumasc



Alumasc provides a fully comprehensive and seamless package of advice and hands on management backup, extending through site installation to warranties and maintenance schedules. Implementation is led by the Alumasc Façade Manager appointed to the project.

Technical support

- Thermal calculations
- Wind loading calculations
- Detailed written specification (to NBS format if required)
- Project specific CAD working drawings
- Elevation colour schemes
- Material safety data sheets

At the inception of a refurbishment project a fully detailed project report will be prepared, to include:

- Evaluation of the general condition, based on visual field investigations, pull-out tests and condensation analysis
- Budget costs via approved contractors

National network of Façade specialist and certified installers

Alumasc provide a network of carefully selected installation specialists, all of whom have received instruction in the installation techniques for Alumasc Façade systems and whose project performance is rigorously monitored in terms of:

- Compliance with project specifications
- Compliance with project programmes
- General compliance with good working practice on site



Project monitoring

- Regular visits to site to provide technical support
- Conduct a final inspection of the work to ensure warranty compliance
- Ensure that appropriate recommendations are made for a maintenance regime to fulfil clients needs and the requirements of the warranty commitment is realised



Alumasc partnering

Alumasc's long-standing service ethic is the ideal platform from which to develop partnering arrangements, providing total peace of mind to the client during a long term contract. Consistency of performance is ensured in terms of product and service.



Alumasc Façade warranties

Alumasc offers a comprehensive choice of warranties covering both product and installation to suit the specified design life of the installed product. Alumasc backed warranties are available for 10, 15 or 20 years supported by public and product liability insurances with a total indemnity limit of £50 million on an annually renewable basis.

Alumasc can also arrange third party insurance giving up to 20 years cover subject to independent final inspection, documented compliance with an agreed maintenance schedule and pre-payment of the relevant premium.



Alumasc quality assurance

Alumasc Exterior Building Products Ltd has a quality assurance management system which complies with BS EN ISO 9001: 2000 and has also implemented an environmental management system.

Lifecycle support

Where specifically required by the client, the Alumasc Façade Manager will liaise with the approved contractor for the project to ensure that:

- Agreed maintenance checks are carried out to schedule and to specification
- A response time of 48 hours for emergency repairs is adhered to where possible



premium façade systems from Alumasc

Alumasc market leading and BBA approved renders, combined with tried and tested façade infrastructures, to give a range of total façade solutions for every type of building.

Project listing:

- Crown Heights Basingstoke
- Vineyard Heights* Richmond-upon-Thames
- Tradewinds London
- Central House* London
- Alton Towers Hotel Staffordshire
- Lynn Water Tower* Cheshire
- Romford Brewery Essex
- SBC Leeds Leeds

*INCA Award winners

Premium solutions for the building client

- A premium quality product, supported by comprehensive insurance backed guarantees, provides long term peace of mind.

For the designer and specifier

- Architecturally vibrant and technically advanced render formulations, with and without insulation, and with alternative fixing methods, provide a façade solution for every project.

For the contractor

- In the hands of the network of fully trained installers, fault free installation to tight programme requirements is ensured.

For the quantity surveyor

- Project design and installation guidance to ensure best value whilst retaining specification and project requirements.

Alumasc credentials

All Alumasc Façade Systems are extensively endorsed to ensure peace of mind and confidence in performance. This includes BBA certification and membership of INCA, the Insulated Render and Cladding Association which promotes good practice in design, manufacture and installation.



proven by track record




premium products • proven solutions



 Rainwater

 Drainage

 Waterproofing

 Metal Roofing

 Façades

ALUMASC EXTERIOR BUILDING PRODUCTS LTD

White House Works, Bold Road, Sutton,

St Helens, Merseyside, WA9 4JG

United Kingdom

Telephone: +44 (0)1744 648400

Facsimile: +44 (0)1744 648401

Website: www.alumasc-exteriors.co.uk

E-mail: info@alumasc-exteriors.co.uk

Product and technical literature hotline

0808 100 2008

A unique fusion of premium products,
technical expertise and project support

All reasonable care has been taken in the preparation of this brochure, all information, recommendations and guidance notes on the use of The Products are made without guarantee since the conditions of use are beyond the control of Alumasc Exterior Building Products Limited (The Company). The customer is responsible for ensuring that each product is fit for its intended purpose and that conditions for use are suitable.

The information contained in this brochure and advice arising therefrom is free of charge and accordingly on the terms that no liability nor liability for negligence will attach to the Company or its servants in relation to any such service arising out of or in connection with this brochure.

The Company pursues a policy of constant product development and information contained in this publication is therefore subject to change without notice.


alumasc
EXTERIOR BUILDING PRODUCTS