

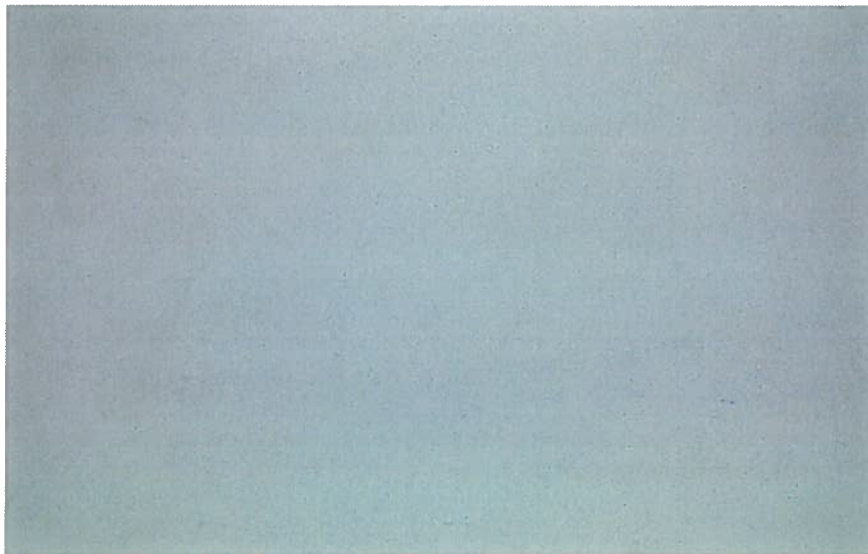
MCLAREN

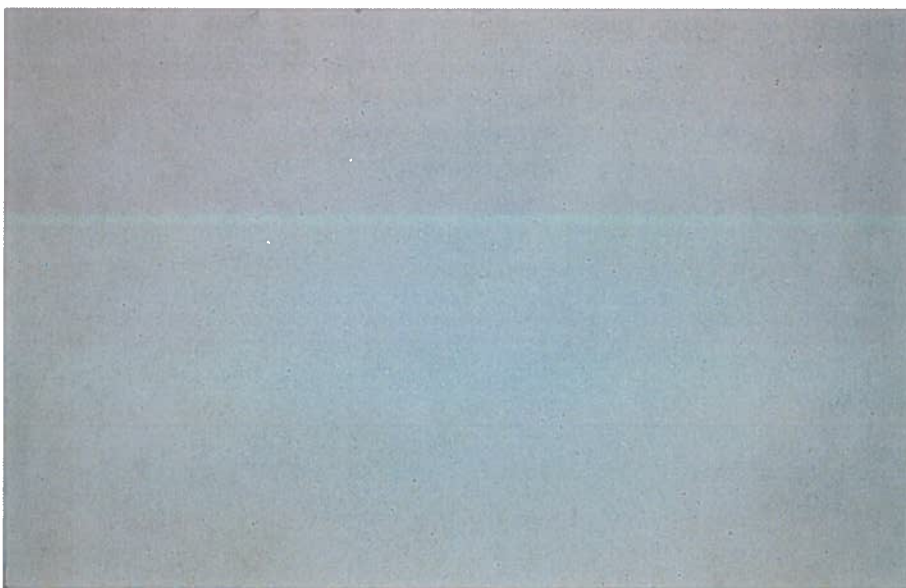
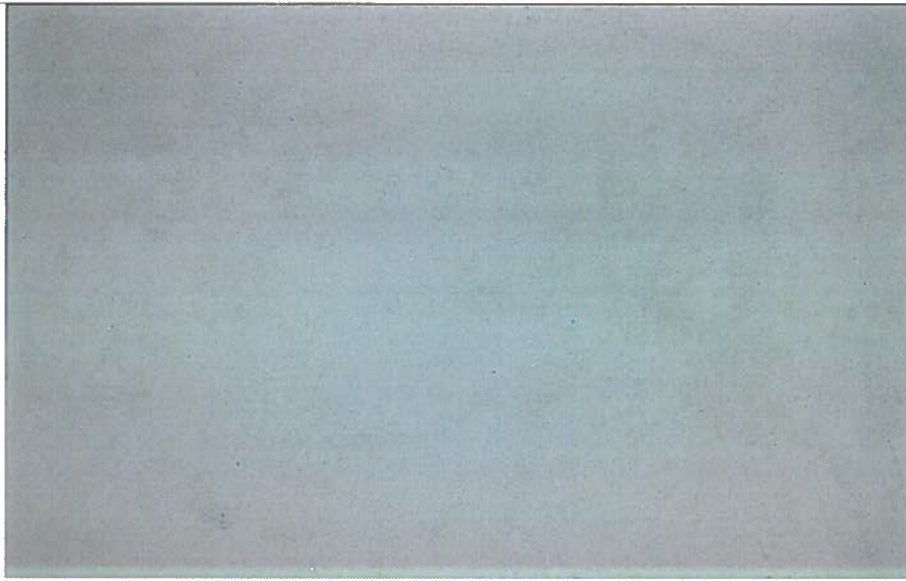
SAMPLE SUBMITTAL

Project:	Southampton Row	Contract No.	M1323
Package:	111	Submittal Ref:	111-SS-020

Revision	Revision Detail	By	Checked	Date
00	For Comment & Status Assignment	AR	IN	23/10/14
Supplier Name: EH-Smith		Supplier Address: Westhaven House, Arleston Way, Shirley, Solihul B90 4LH		
Sample Title:	Alterra Cladding Panels			
Description:	Acrylic face cladding panel with portland stone slag			

Sample Photograph Required





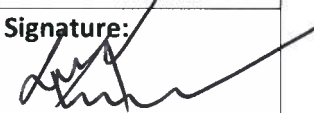
McLaren Final Status			
Name:	<i>Alan Dean</i>	Date:	<i>24/10/14</i>
Status A	<input checked="" type="checkbox"/>	Additional notes / comments:	
Status B	<input type="checkbox"/>		
Status C	<input type="checkbox"/>		

Sample Information:

Sub-Contractor:	TBC
Works Package Number:	111
Sample Title:	Alterra Cladding Panels
Sample Location:	External Wall Elevations as indicated on GE Drawings
Description:	Acrylic face cladding panel with portland stone slag
Manufacturer(s):	Illumenisia
Material:	Acrylic face cladding panel with portland stone slag and cementitious backing board
Size:	900mm x 600mm
Area/Location (Grid & Level):	External Wall Elevations as indicated on GE Drawings
Drawing Reference(s):	GE Series
Specification Reference(s):	586_SP_F21 & 586_SP_H92
Finish/Texture/Pattern/Print:	Portland Honed
Colour:	Cream
No. of physical Samples:	1

Reviewer Record (to be completed by Reviewers)

Organisation 1: HTP	Name: Derek Long	Comments: Please state status <input checked="" type="radio"/> A / B / C
Date: 24 Oct 14	Signature: 	Sample #7 dated 24 Oct 14

Organisation 2: OPTIMA	Name: STEVEN ROOSEN	Comments: Please state status <input type="checkbox"/> A / B / C
Date: 24.10.14	Signature: 	

Organisation 3:	Name:	Comments: Please state status A/B/C
Date:	Signature:	

SAMPLE M1323: SOUTHAMPTON ROW	
Sub-Contractor:	
Package Number:	
Sample Title:	
Submittal Ref:	
Revision & Date:	
Status & Date:	

This label is to be filled out and attached to the sample.



MARRIAGE OF
NATURAL
BEAUTY AND
HUMAN
INGENUITY



Alter } Ego



ULTIMATE ALL-IN-ONE RAINSCREEN SOLUTION

Alterra represents an innovative and holistic approach to rainscreen cladding technology. It encompasses the architectural features of large format rainscreen panels such as natural stone, ceramic, terracotta and GRC.

It offers virtually unlimited possibilities with regards to colour, format and shape of the panels without compromising on cost, weight and lead-in times.

Alterra panels are manufactured in a cutting-edge composite technology that has an option of utilising natural and sustainable hemp fibre reinforcement.

The process allows for creation of high quality cladding panels which depending on architectural specification can achieve a variety of shapes, colours and forms.

The use of hemp fibres as reinforcement not only makes the panels extremely durable but also enhances their environmental credibility. This is due to the fact that the panels can be recycled.

In addition, Alterra panels are extremely lightweight and with the system weight not exceeding 20kg/m² for architectural panels it places substantially less load on the superstructure and at the same time requires less aluminium substructure to carry the panels.

WHAT IS THE BENEFITS?

Alterra is a UK manufactured facade solution that offers specifiers a great design flexibility and facade subcontractors a short lead-in times and competitive pricing.

With panels generally up to 3000 x 1200mm maximum we are able to offer so much sought after slab-to-slab solution with installation of the panels still being a two-man job.

At the same we do not have to resort to any bespoke carrier rail solution but still use our standard rail configuration.

THE ALTERRA ADVANTAGE

Ultra light-weight from 15 to 30kg/m²

Architectural or natural stone facing available

Large format panels of up to 3000mm x 1200mm available

Unlimited range of architectural colours and wide selection of stone colours

Range of concealed mechanical methods of installation to suit every project

Bespoke shapes available

PERFORMANCE TESTING

Alterra was tested at Technology Centre Vinci (UK) to CWC1 test guidelines for Building Envelopes 2005 for the following:

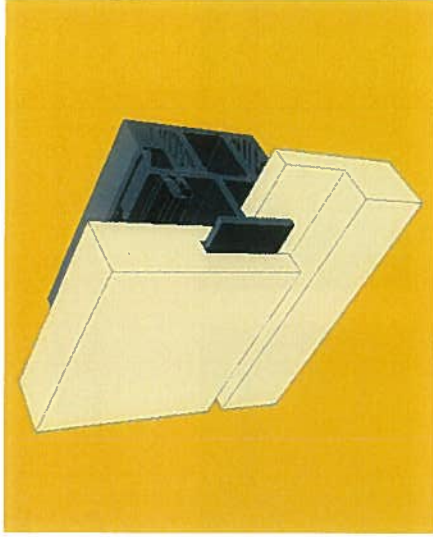
- Wind Serviceability (2400Pa)
- Wind Safety (3600Pa)
- Dynamic Wind Loading
- Impact Resistance to BS8200 (Cat. B)



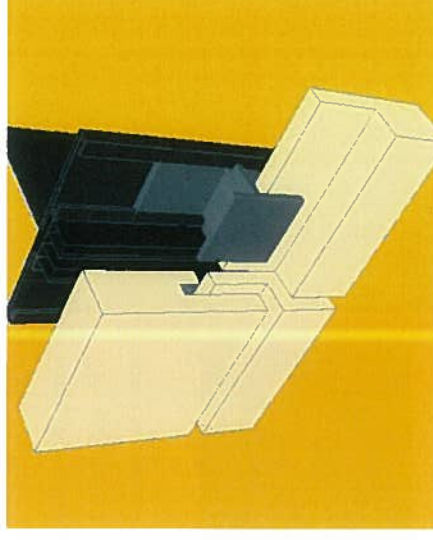
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THE SYSTEMS



Alterra Concealed Mechanical System onto horizontal carrier rail



Alterra Concealed Mechanical System onto vertical carrier rail

SYSTEM FEATURES

- Fully concealed
- Quick and Easy Installation
- Large spans
- Light-weight panels
- Vertical or Horizontal panel support
- Large panels available
- Landscape and portrait panel orientation

HORIZONTAL RAIL SYSTEM

This versatile method allows for installation of the panels onto substrates such as SFS or timber frame where the fixing points on the substrate are limited to certain location.

The system also works best on panel layouts other than stack-bonded.

The panels are installed by means of aluminium clips fixed onto a horizontal carrier profile.

VERTICAL RAIL SYSTEM

This installation method is a competitive solution for cladding over blockwork, brickwork or existing solid substrates.

The panels are installed by means of clips onto a vertical support rails. Large spans can be achieved with the system.

There are other ways of installation of the panels that are more bespoke and project led. We offer solution for portrait panel orientation, installation onto composite panels and mitred elements and single span supports to name a few. Contact us with the details of your project requirement and will propose the best solution to suit your project.

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ARCHITECTURAL RANGE

Alterra offers a great design flexibility with regards to panel colour tonality and available finishes. We present you with just a small selection of finished available. The architectural panels are available in any RAL colour in the following textures. Other textures are available upon request.



Natural



Gloss



Sandstone



Ripple



Riven



Limestone



Please note that the quality of all colours and textures shown may be limited to the constraints of printing. For a true representation of the product please request a sample.



DESIGN FLEXIBILITY

Alterra is a versatile cladding system that replicates a like-for-like alternative to most of the natural cladding products on the market. Together with its unsurpassed durability, low weight and high panel counts it is a perfect alternative to porcelain, granite, stone and GRC to name a few.

Its manufacturing process allows for creation of virtually any colour or texture to suit any individual project.

bespoke colours and textures are easily achievable.

Project specific shapes are also available.

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NATURAL STONE RANGE

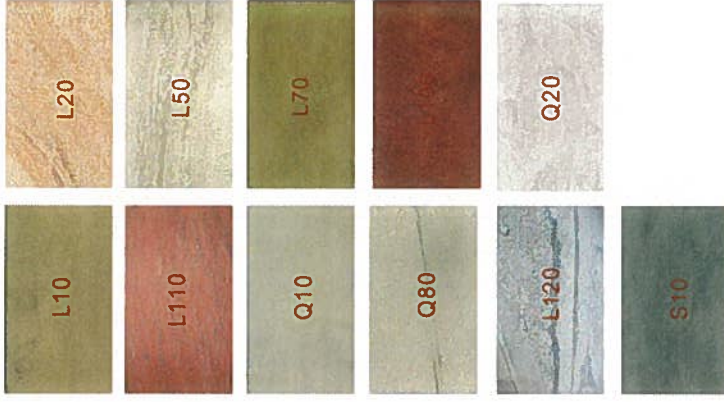
MARRIAGE OF NATURAL BEAUTY AND HUMAN INGENUITY

LIMESTONE



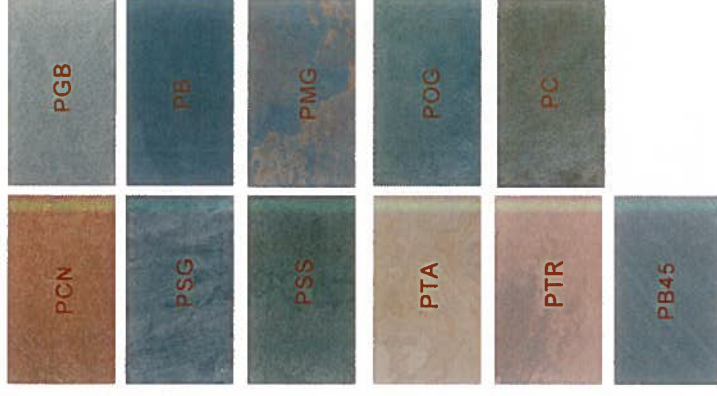
Our Limestone veneer is quarried across Europe. The panels are generally available in formats up to 1200mm x 600mm or dependent on block sizes available.

SANDSTONE



Our Sandstone veneer is manufactured by **Literoc GmbH** in technology of flexible stone. The panels are available in formats up to 2400mm x 1200mm. Veneer thickness at approx. 2-5mm

SLATE



Please note that the quality of all colours and textures shown may be limited to the constraints of printing. For a true representation of the product please request a sample.

Our Slate veneer is manufactured in technology of flexible stone. The panels are available in generally in formats of 1200mm x 600mm; some colours are available in larger formats. Veneer thickness at approx. 2mm



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