

HGN DESIGN
ARCHITECTURAL MOULDINGS

in association with
JESMONTE
MADE FROM



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Squaring The Block
Jesmonite AC730
Designer Richard Wilson

JESMONITE[®]

MADE FROM

INTRODUCTION

PROBLEM SOLVING AND INNOVATION ARE AT THE CORE OF EVERYTHING WE DO – CONTINUALLY STRIVING TO BE AT THE LEADING EDGE OF MATERIAL TECHNOLOGY.

PROBLEM SOLVING

Jesmonite was invented here in the UK in 1984 by Peter Hawkins who remains at the heart of the company as Technical and Development Director. The original compound was an acrylic-modified gypsum composite which is still sold to this day. It was conceived as a safe alternative to fibreglass (GRP) and as a lightweight alternative to cast concrete.

Our continued commitment to invention and problem solving has resulted in a range that now extends to a family of materials covering a myriad of applications.

INNOVATION

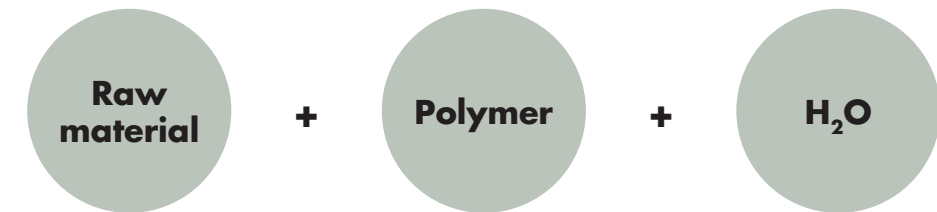
We constantly seek to innovate and lead through a deep understanding of a broad range of material solutions. This results in materials that address real questions such as safety, aesthetic quality and provides practical solutions where existing technologies are flawed.




Working in collaboration with our customers to answer specific briefs we design and formulate materials in our factory, then our extensive experience informs each development so that the resulting material meets or exceeds expectations.




JESMONITE'S PRODUCTS ARE COMPOSITE MATERIALS – A COMBINATION OF A REACTIVE MINERAL BASE AND A PURE WATER BASED ACRYLIC RESIN

Jesmonite is the ultimate chameleon material of the building industry – it can be used to replicate the appearance and texture of any surface finish in any number of colours.

The combination of natural raw materials with a special blend of water based pure acrylic polymers create a unique family of materials that have a number of product benefits that make Jesmonite superior to other building materials.



-  **STRONGER**
Strong, flexible and more durable, making it high impact resistant.
-  **LIGHTER**
Lighter than stone, glass-reinforced concrete, sand and cement products - perfect for film sets.
-  **SAFER**
Fire-resistant with a class zero fire rating, reduced smoke density and toxicity characteristics. Solvent free with no VOC's.

-  **FINER**
Replicates the very finest detail.
-  **GREENER**
Water-based not solvent based, making it kinder to the environment.
-  **MORE CHOICE**
Can be pigmented to any colour or RAL reference. It can also mimic any texture and reproduce the effect of materials such as stone, metal, wood, leather and fabric.

FACADES – Western Australia



Karrinyup Shopping Centre Expansion Project,
AMP Capital
Jesmonite AC730 Silver Grey Granite
Manufacturer - HGN Design
Architect - Hames Sharley
Builder - Multiplex





Westfield Whitford City Shopping Centre,
Scentre Group
Jesmonite AC830 Real Shagreen
Manufacturer - HGN Design
Architect - Urbis



FACADES – Western Australia

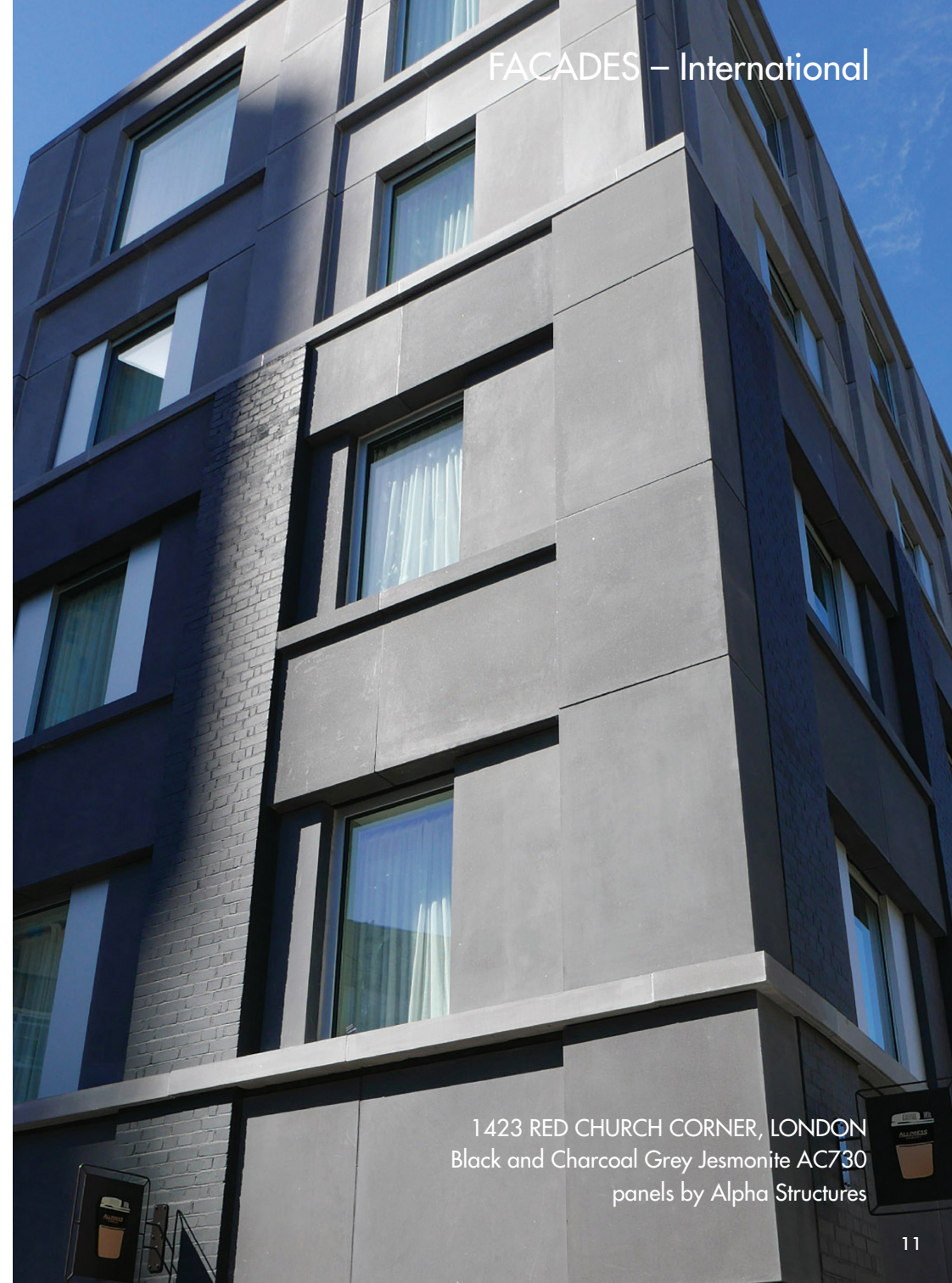




Westfield Whitford City Shopping Centre,
Scentre Group
Jesmonite AC830 Real Shagreen
Manufacturer - HGN Design
Architect - Urbis

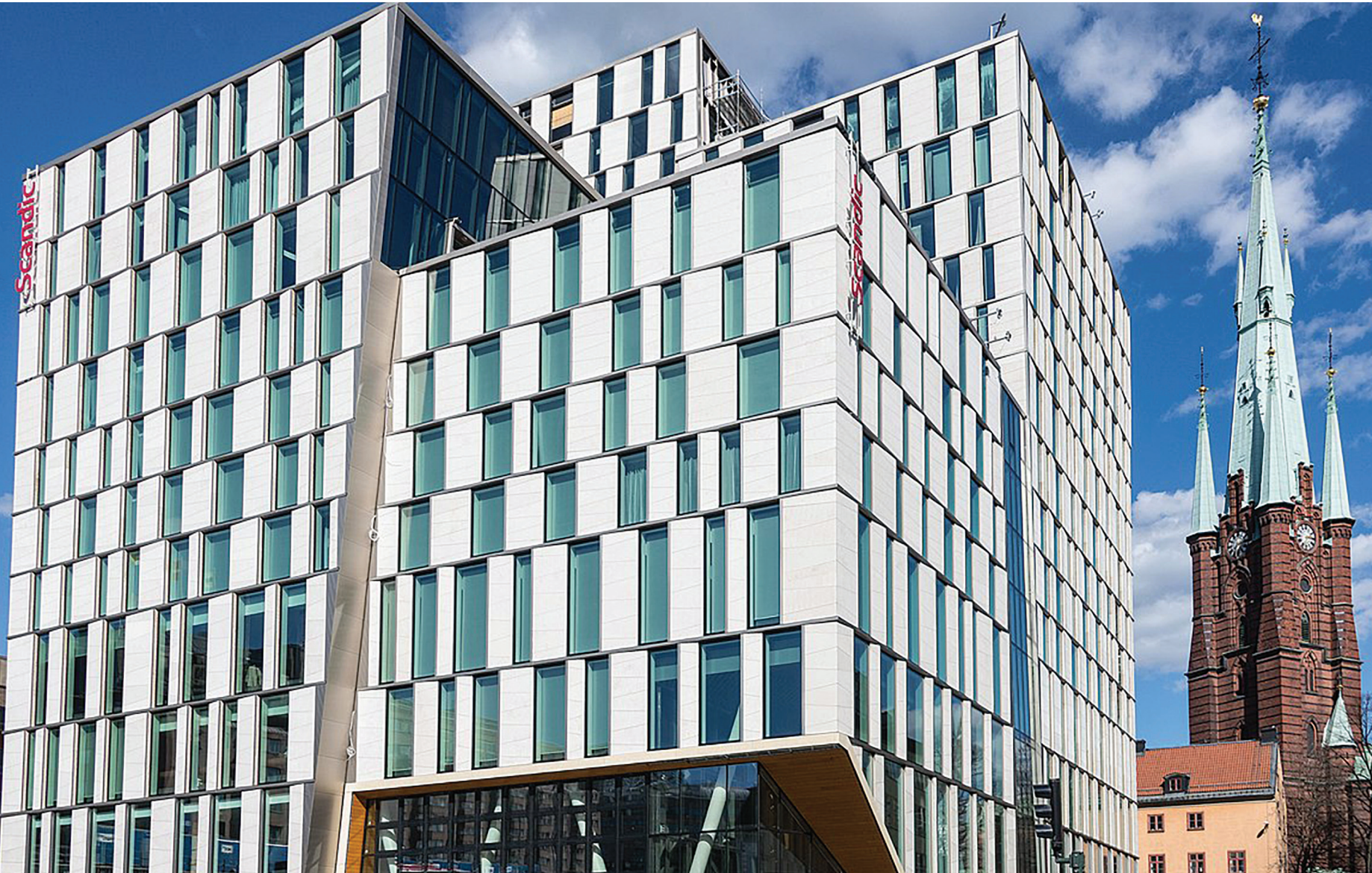


PORTOBELLO SQUARE
Exterior AC730 panels by Simplicity Abutments

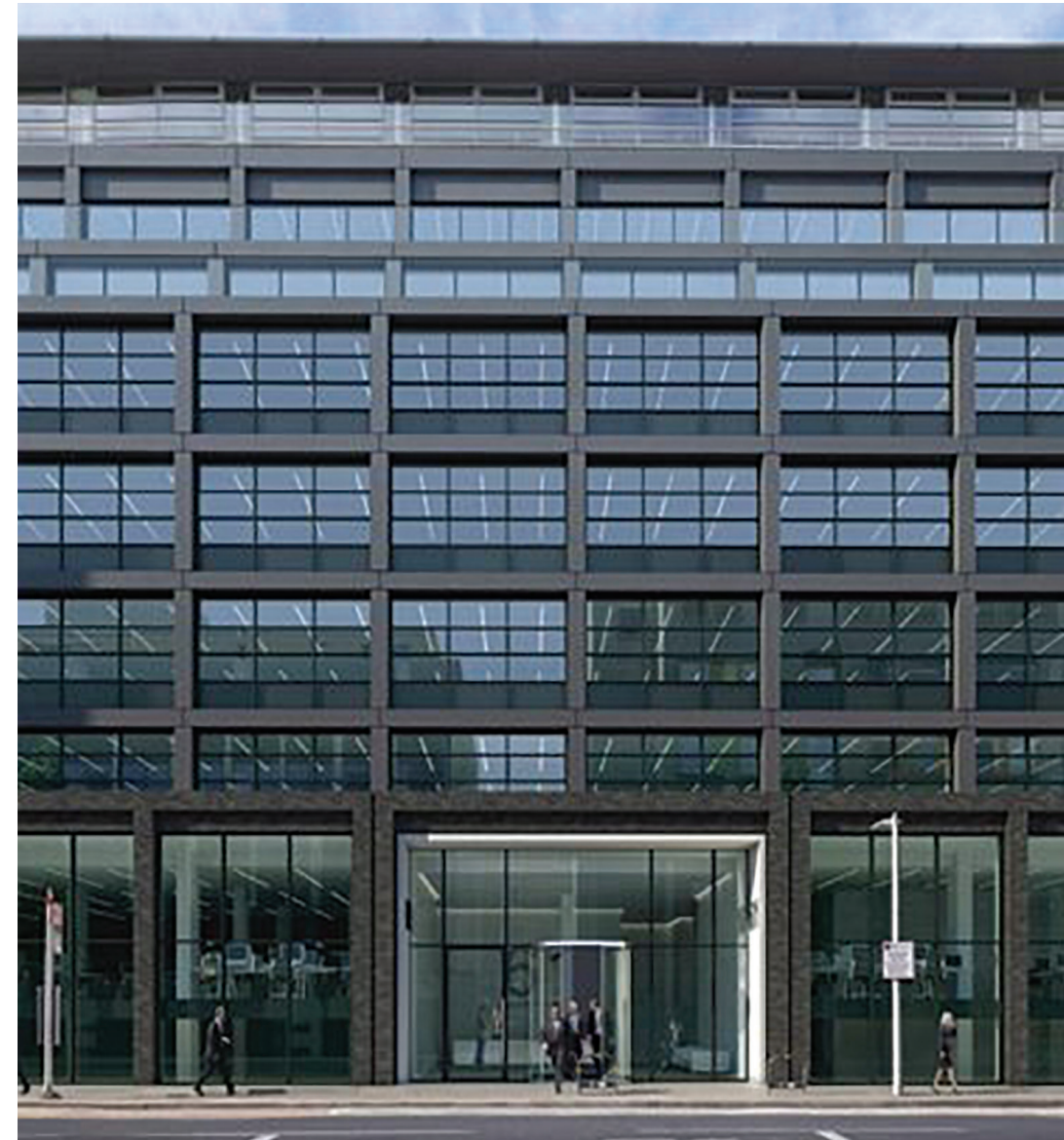


FACADES - International

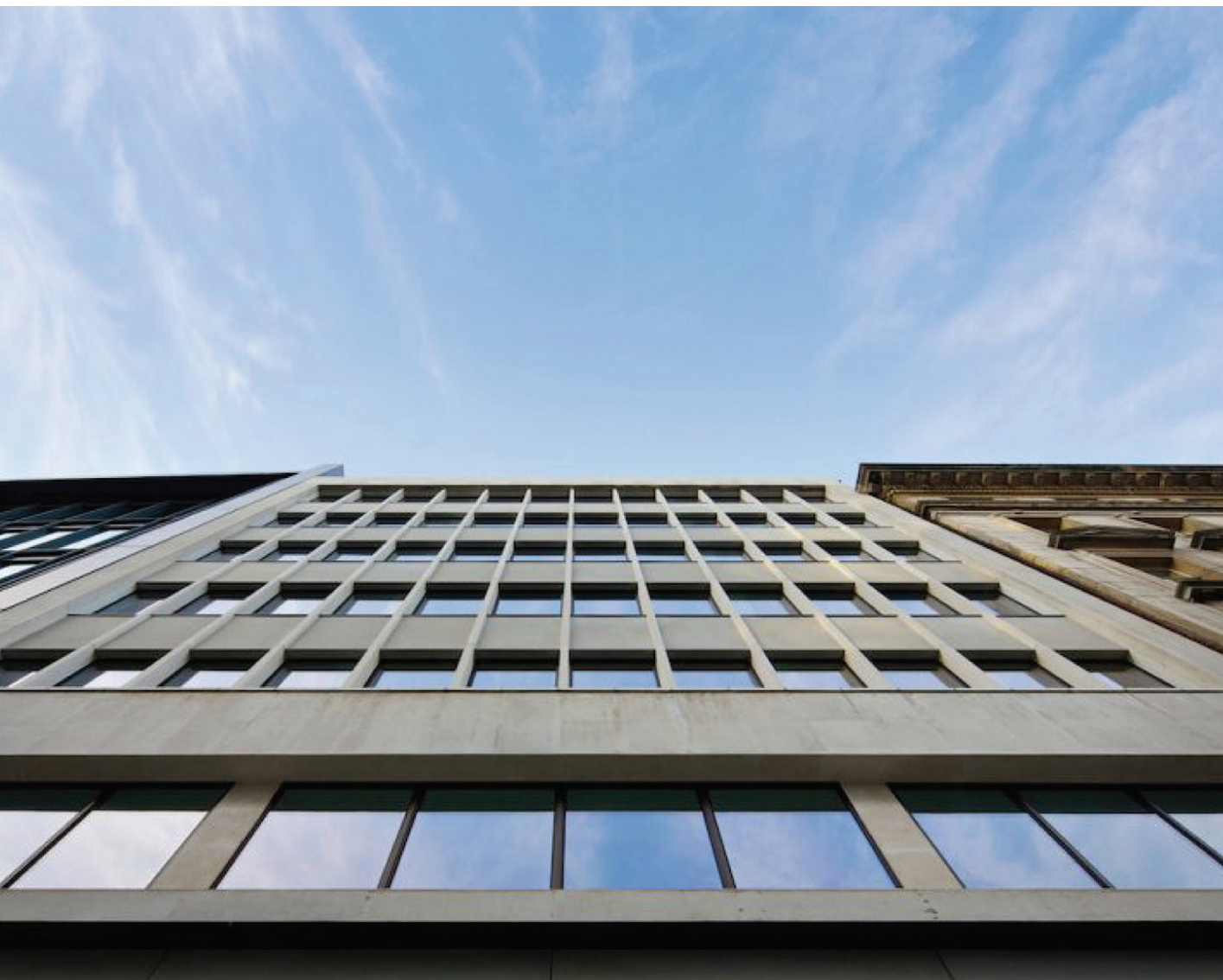
1423 RED CHURCH CORNER, LONDON
Black and Charcoal Grey Jesmonite AC730
panels by Alpha Structures



SCANDIC CONTINENTAL, STOCKHOLM
Facade cladding in Jesmonite AC730



SOUTHWARK STREET, LONDON
Facade cladding in Jesmonite AC730



CAROLINE HOUSE, LONDON
Facade cladding in Jesmonite AC730



FITZROY PLACE, LONDON
Jesmonite AC730 tubular Brise Soleil by Simplicity Abutments



1423 RED CHURCH CORNER, LONDON
Black and Charcoal Grey Jesmonite AC730 panels by Alpha Structures



HOLBORN GATE, LONDON
Exterior cladding detail Jesmonite AC730



Square The Block
Jesmonite AC730
Designer - Richard Wilson

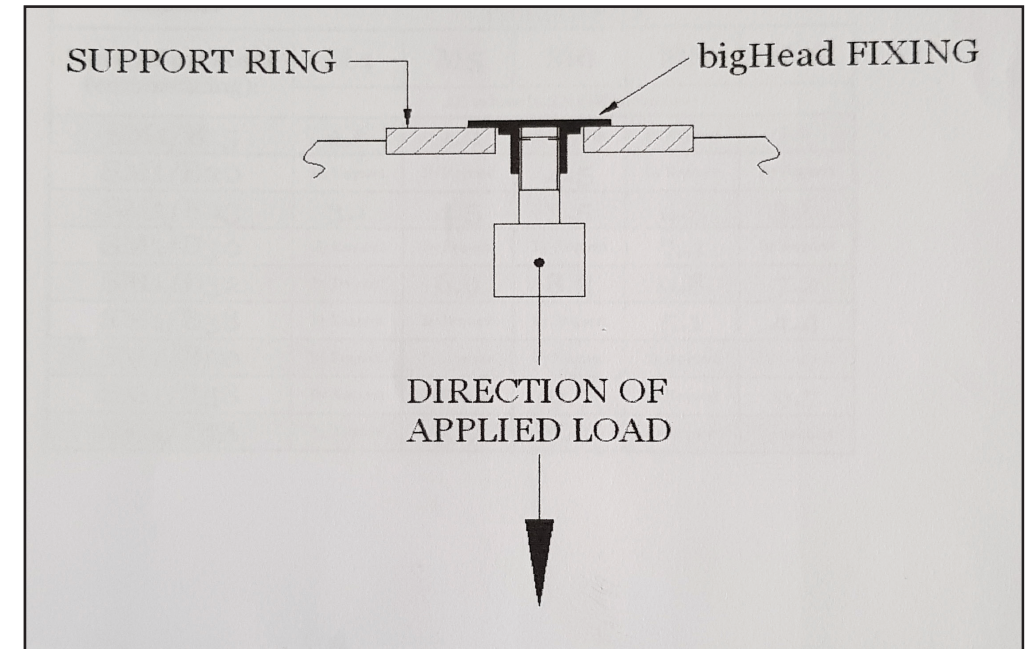


Square The Block
Jesmonite AC730
Designer - Richard Wilson

FIXING SYSTEM

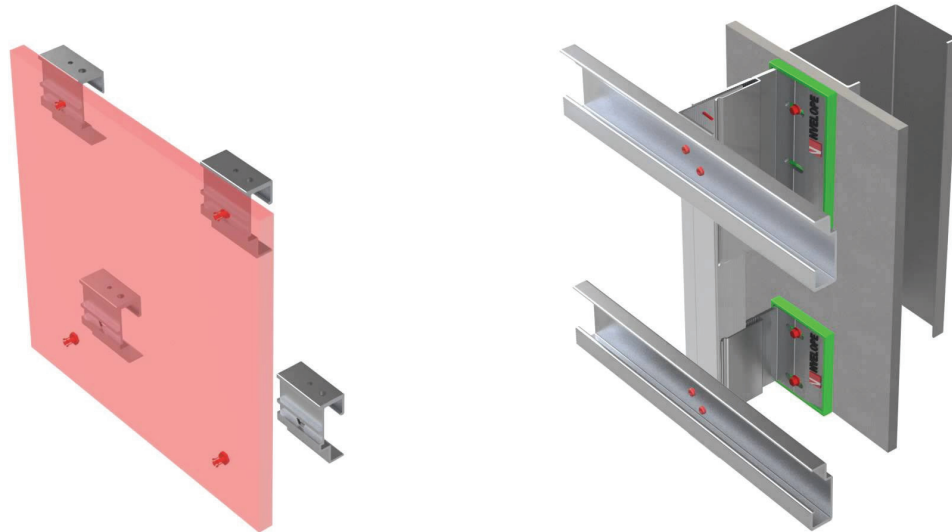


Stainless steel fixings available in 3 different sizes.



The stainless steel fixing is encapsulated within the pre-cast unit protruding from the back, allowing the installer to insert the threaded rod to create the connection from cast to the Nvelope system.

NVELOPE FIXING SYSTEM



Aluminium Brackets and Rails – Performance in fire. NVELOPE rainscreen cladding support brackets and rails are made of non-combustible, sustainable aluminium, which does not burn. It remains structurally intact to about 250 degrees Centigrade and melts only at around 660 degrees Centigrade.

NVELOPE cladding brackets and rails are made of aluminium EN AW-6005a T6 and comply with BS EN 755 as well as the common regulations for ventilated façades in Europe. Aluminium is significantly less responsive to heat than steel. Around double the amount of heat is required to bring aluminium up to a certain temperature than is required by steel. Where an aluminium structure is exposed to the heat of a fire, the relatively high thermal conductivity enables the heat to be rapidly conducted away from the exposed area. Aluminium also has high reflectivity, of around 80-90%, assisting in prolonging the endurance of a building on fire.

Aluminium and Fire www.nvelope.com/documents/aluminium-and-fire.pdf NVELOPE rainscreen support systems are covered by British Board of Agreement (BBA) certificate no. 09/4678. Re Requirement: B4(1) External fire spread Comment: The system is judged to meet the Class 0 requirements.



From the Knees of my Nose to
the Belly of my Toes



A Spoonful of Sunrise



The Life Project
Manufacturer – HGN Design
CITY BEACH, PERTH
Jesmonite AC830 Gres de Barr
Artist - Simon Youngleson

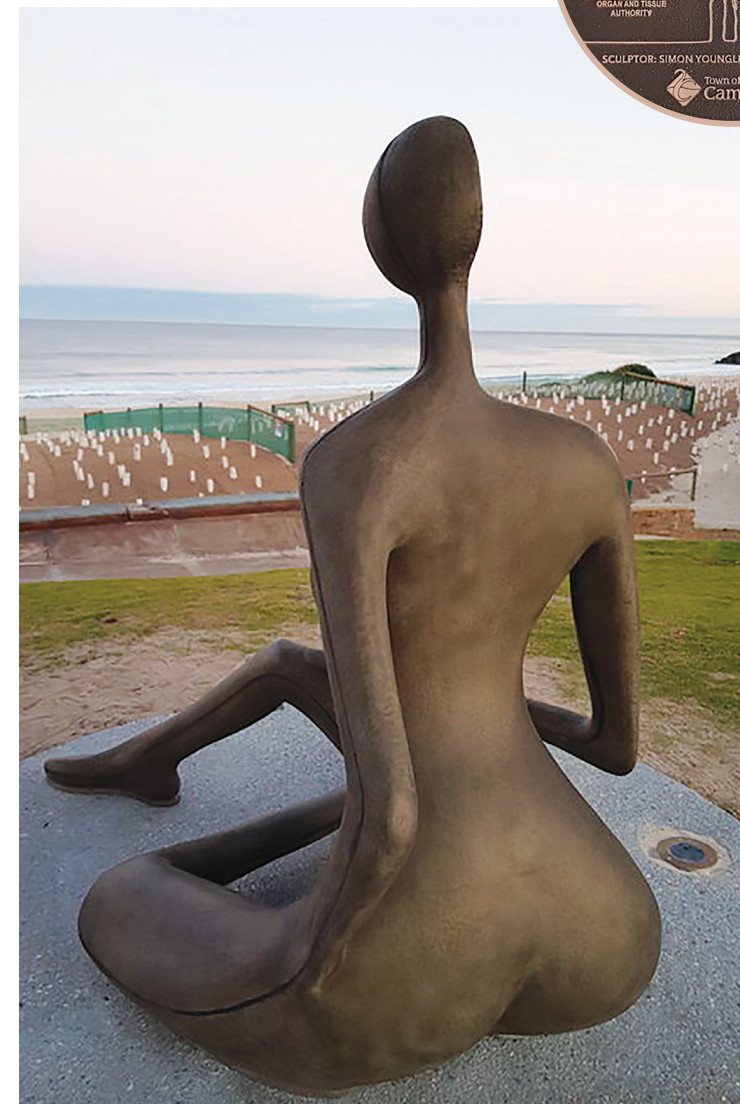
THE LIFE PROJECT
 In dedication to those Australians who have become organ and tissue donors, and to their families who supported loved ones' wishes. We acknowledge the selfless courage and generosity of donors. You gave new life and health to fellow Australians through the wonder of modern organ and tissue transplantation. We thank you always.

Australian Government
 ORGAN AND TISSUE
 AUTHORITY

donate life

SCULPTOR: SIMON YOUNGLESON AUGUST 2020

Town of
 Cambridge





Eternity-Buddha in Nirvana – Xu Zhen, Madeln Company, China

NGV Museum Melbourne

Jesmonite AC100



Jesmonite AC100
MadeIn Company, China

PUBLIC ART – Xu Zhen Studio, China



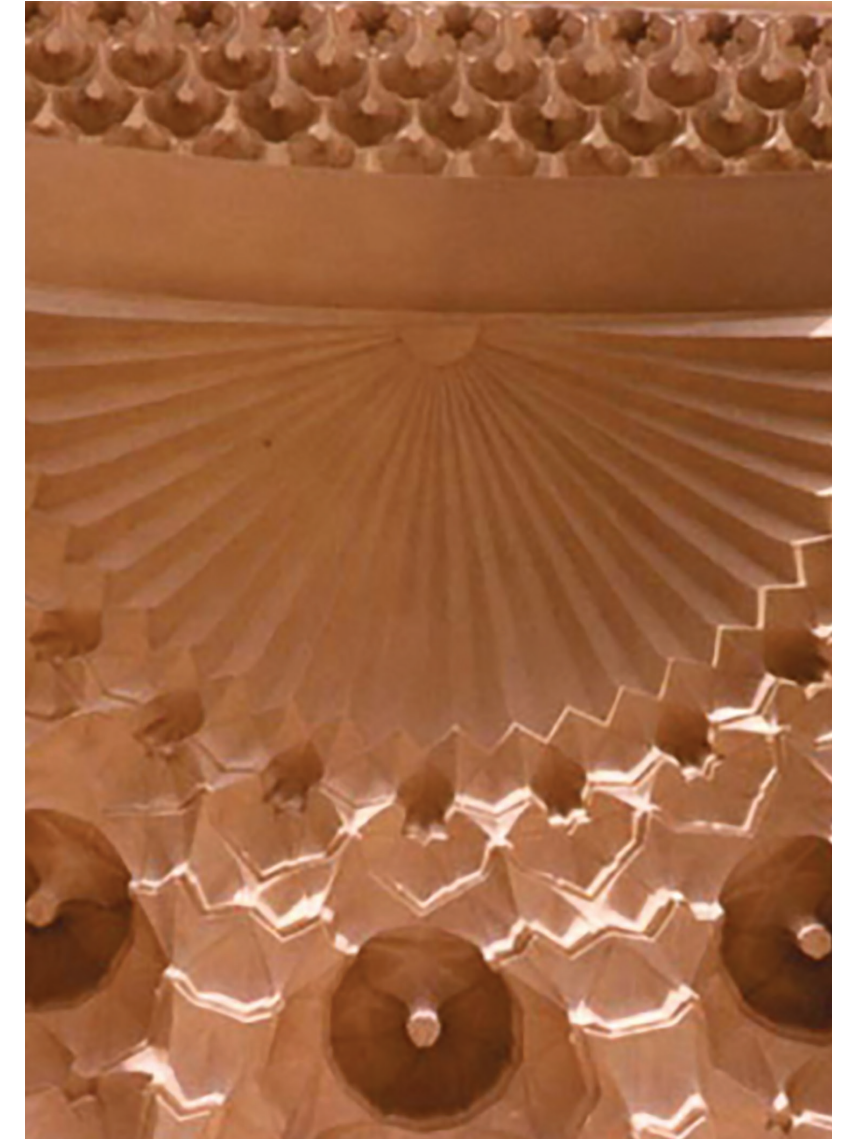
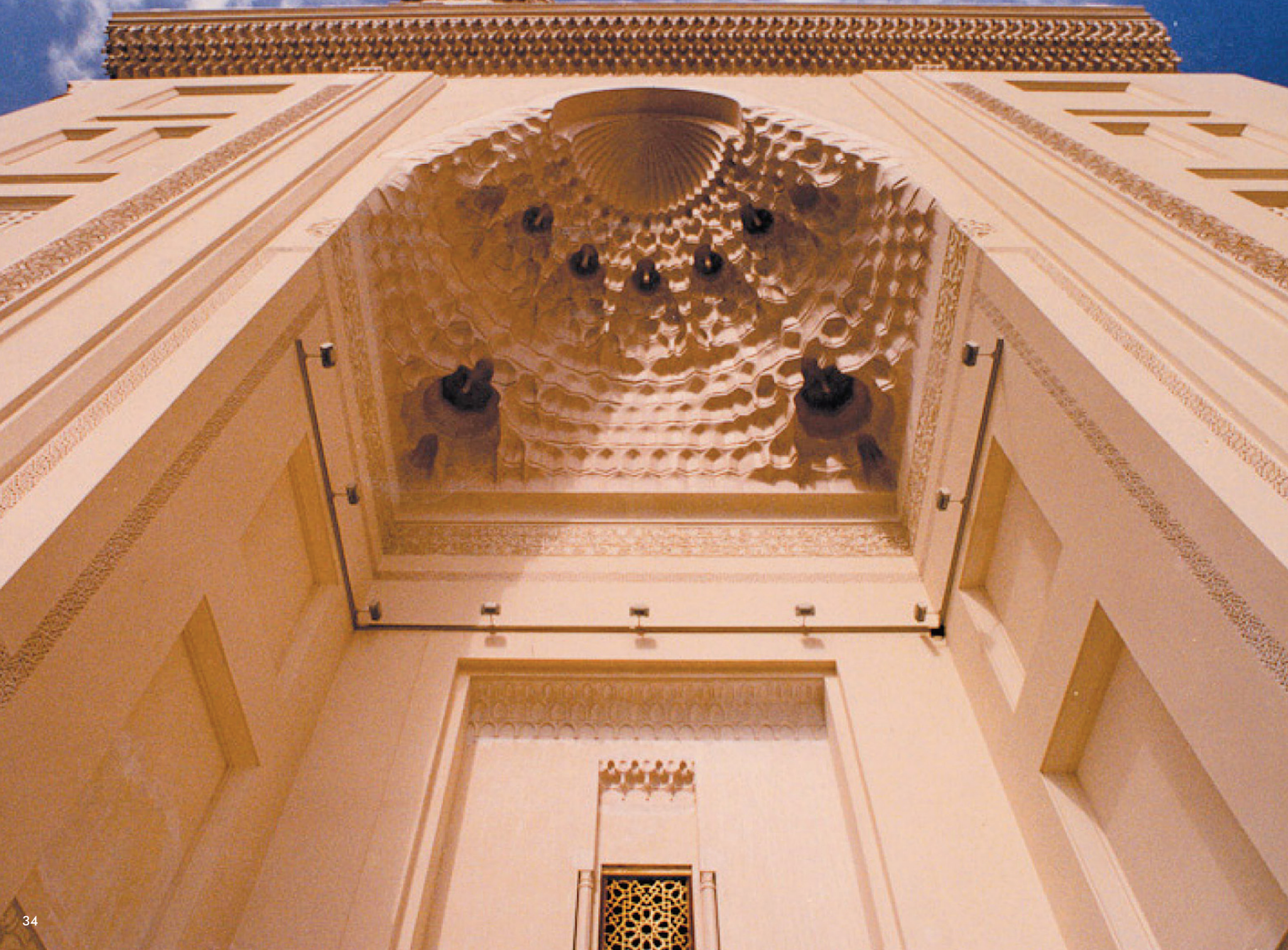
European Thousand-Arms
Long Museum, Shanghai, China
Jesmonite AC100



PRIVATE RESIDENCE – Middle East



Jesmonite
AC730 Portland Stone



Jesmonite
AC730 Natural Stone
KING SAUD MOSQUE, SAUDI ARABIA



The Camfield Bar, Perth
Jesmonite AC830 ForteCrete
Manufacturer - HGN Design



INTERNAL PANELLING – Western Australia



HSBC HEADQUARTERS,
BIRMINGHAM



DECORATIVE WALL PANELS – Sydney Australia



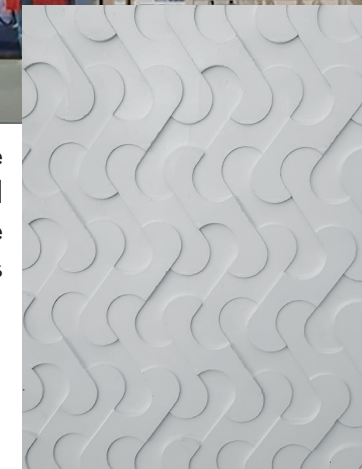
Tea House, Crown Sydney
Crown Resorts
Jesmonite AC730 Charcoal Black
Manufacturer – HGN Design
Architect – Foxville Projects Group



Oroton store front and plinths
Jesmonite AC830 Fortecrete
Manufacturer - HGN Design
Designer - Universal Design Studios



A close up of the intricate panel detail achieved for the Sussan stores



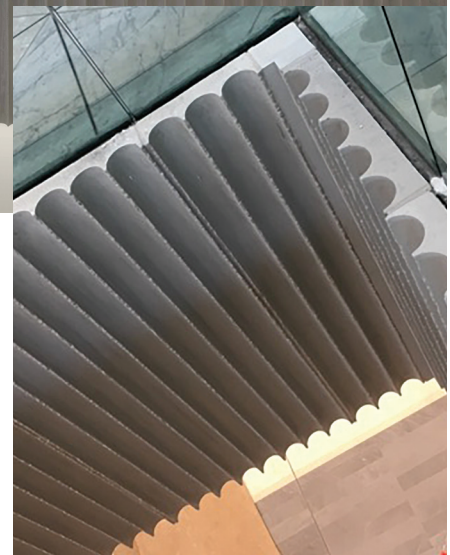
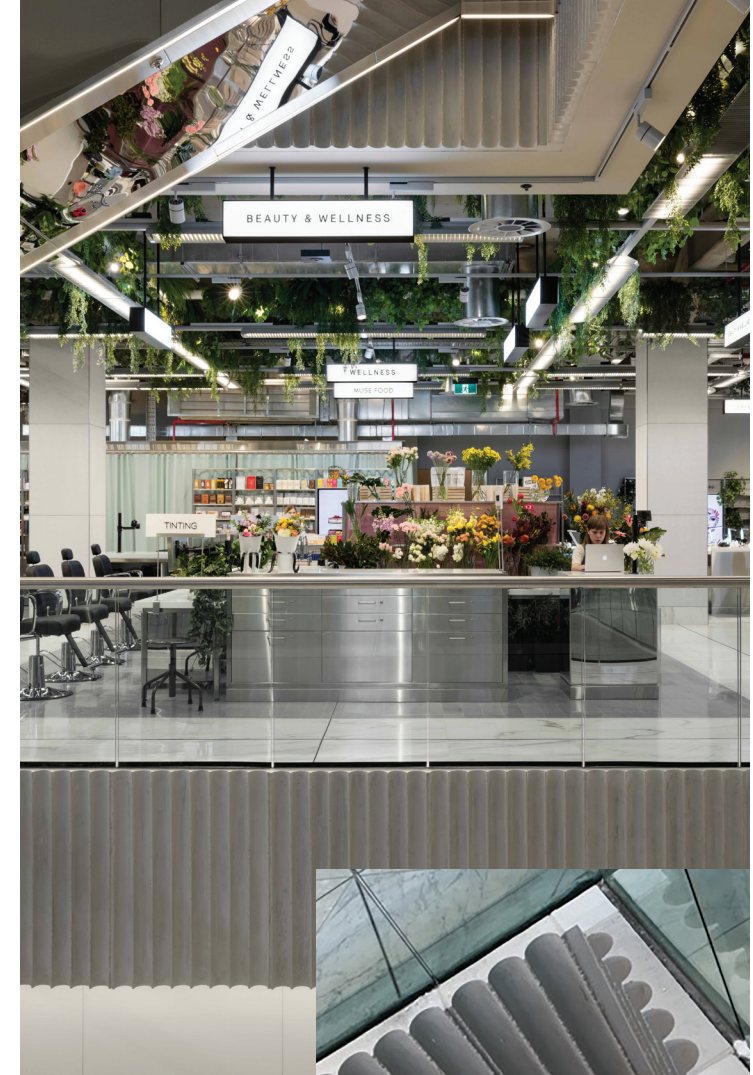
Sussan store front panels
Jesmonite AC730 White Marble
Manufacturer - HGN Design

SHOPPING MALLS – Australia



CANBERRA MONARO MALL CEILING
Jesmonite AC730
Manufacturer - HGN Design
Client - QIC
Architect – Mather Architecture
Designer - Universal Design Studios





Canberra Monaro Mall Ceiling
Jesmonite AC730
Manufacturer - HGN Design
Client - QIC
Architect – Mather Architecture
Designer - Universal Design Studios

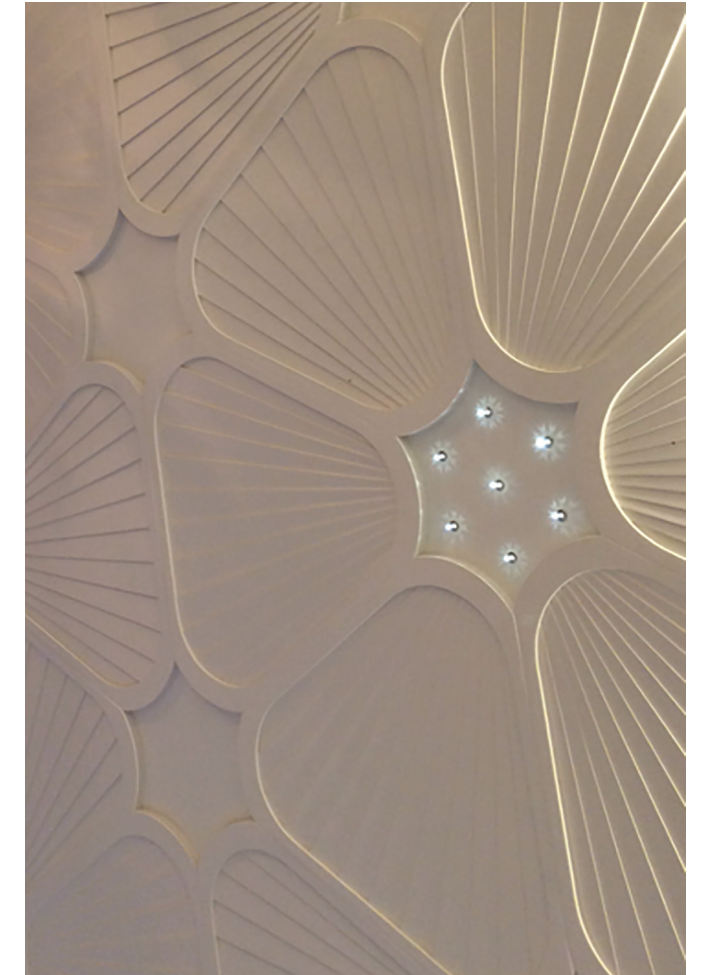
SHOPPING MALLS – International



THE AVENUES MALL,
KUWAIT
Jesmonite AC100 & AC730
Architect - Gensler



CROWN TOWERS PERTH
Jesmonite AC100 ceiling
Manufacturer - HGN Design
Client - Crown
Architect – Bates Smart



CROWN TOWERS EPICUREAN RESTAURANT
Jesmonite AC100 ceiling
Manufacturer - HGN Design
Client - Crown
Architect - Bates Smart



CROWN TOWERS CRYSTAL VILLA
Jesmonite AC100 bath panels
Manufacturer – HGN Design

MOVIE SCENERY



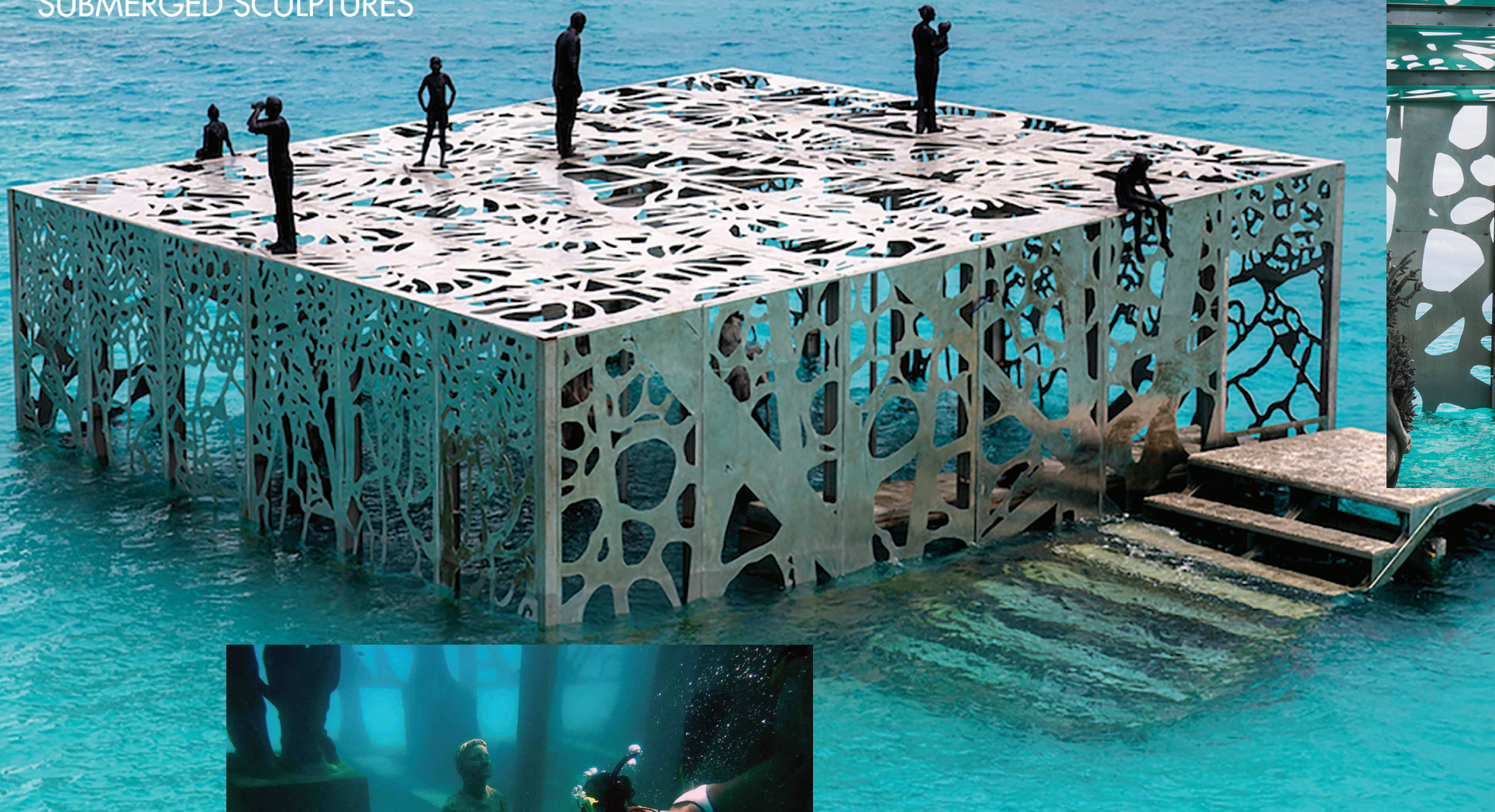
GUARDIANS OF THE GALAXY FILM SET
Carved polystyrene rocks coated in Jesmonite.
Image courtesy of Marvel Inc.

SHIP INTERIORS



P&O Cruise Liner 'BRITANNIA'
Jesmonite AC100 used to make 6,000 pieces of wall art on P&O's cruise liner, Britannia

SUBMERGED SCULPTURES



Coralarium
World's First Submerged Art Gallery
Maldives
Jesmonite AC830
Artist - Jason deCaires Taylor



MATERIAL TEST SUMMARY



Test: AS1530.1-1994
Body: CSIRO
Conclusion: Non-Combustible

Test: AS5637.1-2015
Body: AWTA
Conclusion: Group 1 Classification

Documentation available upon request

HGN DESIGN

ARCHITECTURAL MOULDINGS

in association with

JESMONITE[®]
MADE FROM

AUSTRALASIA | EUROPE | MIDDLE EAST

We provide a full manufacturing and installation service.
Please contact us to discuss your requirements

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