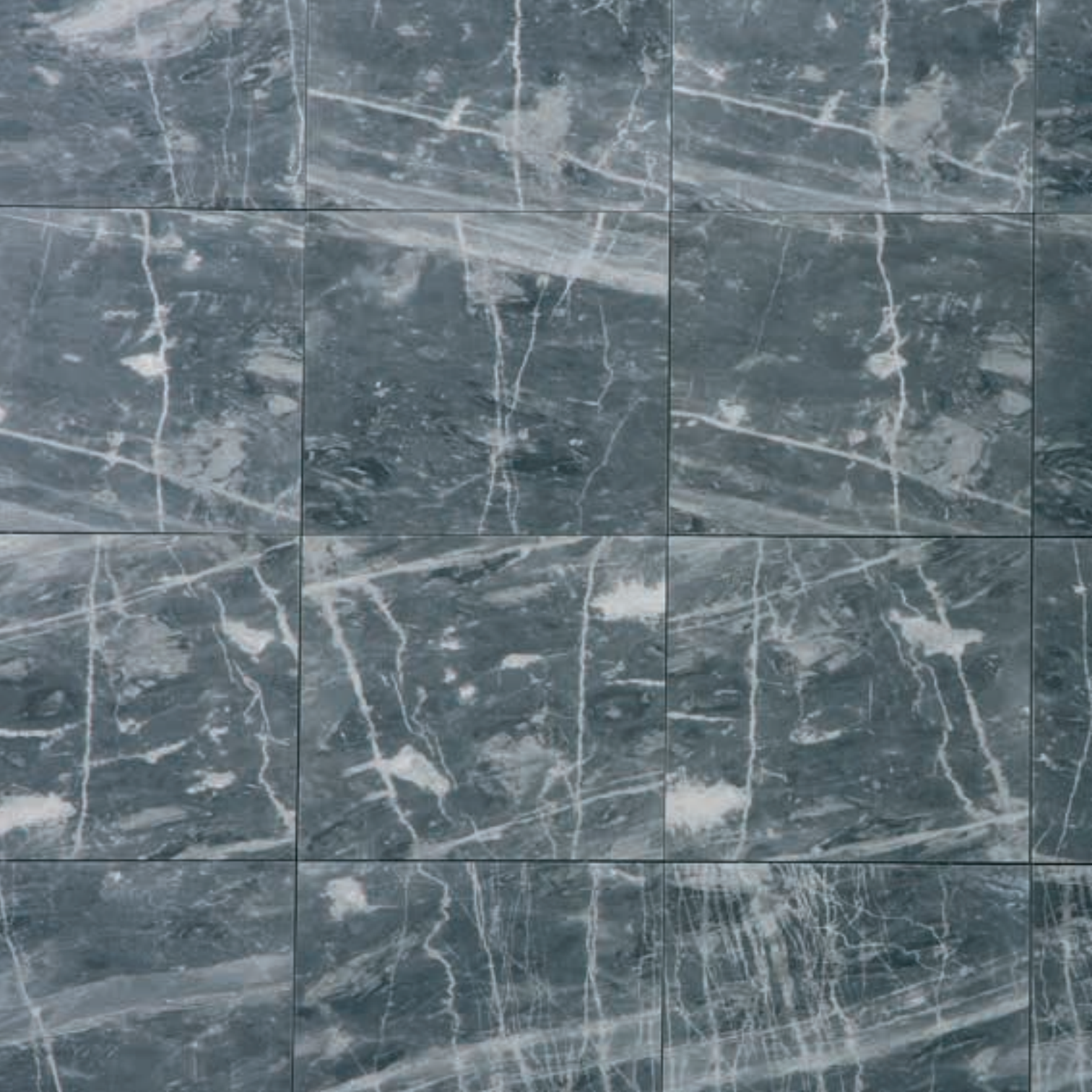
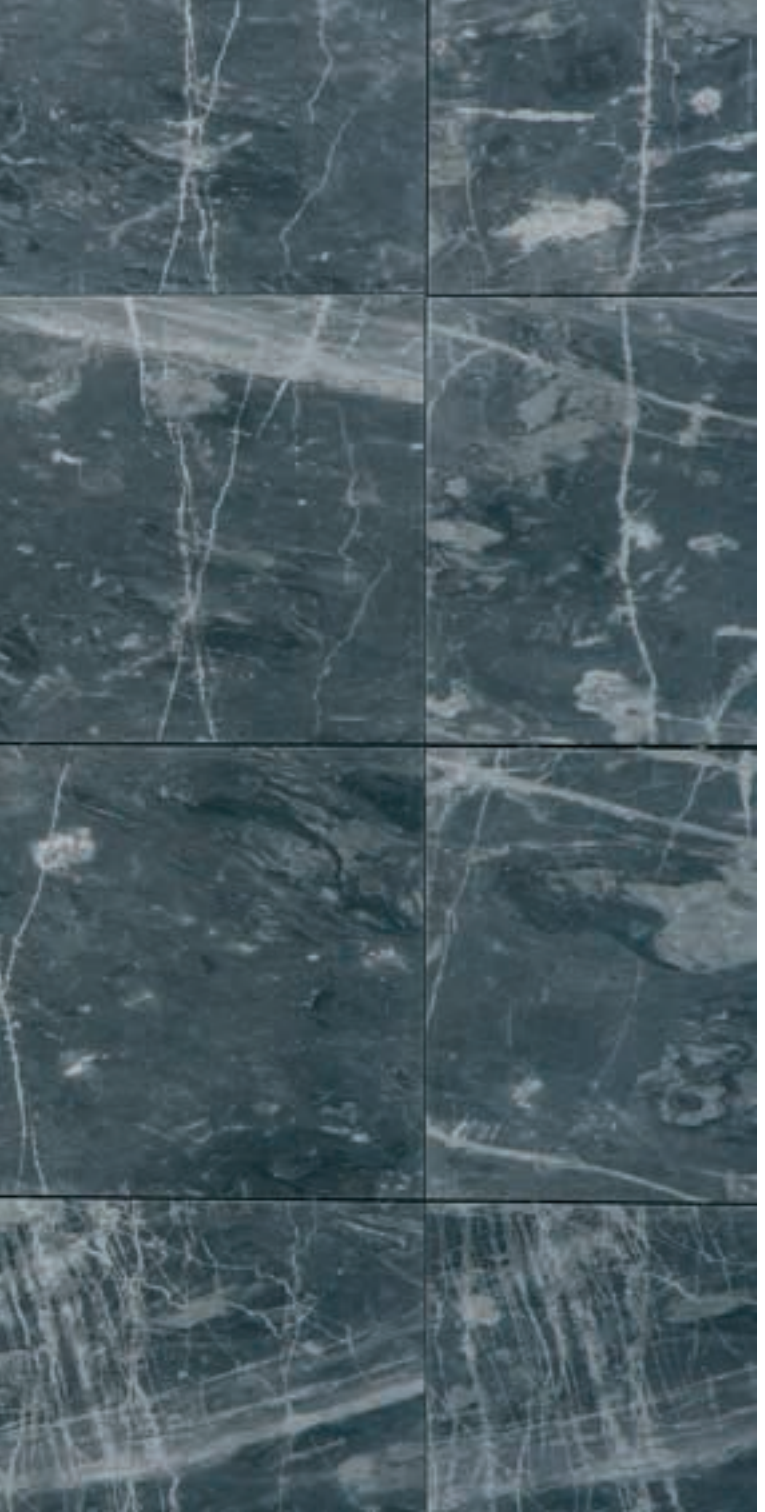
Halmann Vella

CLADDING SOLUTIONS

OUR 60 YEAR COMMITMENT IS SET IN STONE





Cladding Solutions


VELLA MCARR TILES


4826

OVERVIEW

Some sixty years ago two entrepreneurial brothers from the village of Mgarr Malta, Vincenzo Vella and his brother decided to start manufacturing tiles and bought a small tile making machine press.

Hal Mann today has evolved from a purely local manufacturing concern to a multi-layered product and service-oriented company, which can offer these services around the globe. Today Hal Mann produces 'the' tile but is in a position to offer all the services related to those tiles.

Over the past few years a re-organisation of the group structure has taken place. Today Hal Mann is divided into several companies, Hal Mann International Ltd, (the export 'arm' of the group), is part of Hal Mann Vella Ltd. Vincenzo is still active within this organisation but true to say that these days his children are fully involved in the dayto-day administration of the company.

60 YEARS OF SUCCESS

HALMANN VELLA

Hal Mann Vella is a 'dream come true' for any designer, as HMV has the ability to work natural marbles and granites or agglomerated marbles and then manufacture terrazzo tiles, pre-cast terrazzo elements or reconstituted stone flooring and accessories to match or blend with the natural stones or to a designer's palette.

Whether you are working on a granite-clad office tower, a marble hotel lobby, or a simple vanity, table or kitchen top, Hal Mann Vella has the materials and expertise to put things together on schedule and within specified budgets.

HMV holds a sizeable stock of over 60 colours and types of natural marbles and granites.

OUR AIMS

- To be a leading provider of solutions to owners, developers and users of buildings, premises and infrastructure.
- To seek long term business relationships so that we can make available to them our technology, construction skills, project development and management skills to seek cost effective solutions to their future needs.
- To work with customers to understand their needs and then identify innovative solutions, which add value to their businesses.
- To make commitments, which we understand and can be expected to deliver.
- To deliver first class products and solutions on time and to required standards.
- To treat our customers with due respect ensuring courtesy and prompt response to problems, which will be dealt with professionally in an open and honest environment.
- To realize the full potential of the Group in terms of performance, service and synergy.

As such we have adopted a number of harmonised policies to ensure compliance with our legal and moral obligations and to ensure the smooth running of our many divisions and operating companies.

QUALITY COMMITMENT

It is the policy of Hal Mann Vella to continually seek to meet the requirements and expectations of its clients in a profitable and safe manner.

Hal Mann Vella span a diverse range of products and services. It is endemic in the Company's culture that not withstanding this diversity, there is a pre-eminent philosophy of providing high standards of quality, appropriate to the service of the Division concerned.

To be achieved through:

- Having businesses which are 'best in class' in their fields of activity, through Performance Improvement.
- Providing integrated solutions through the co-operation of its businesses deriving strategy.
- Enhancing the portfolio of businesses in Hal Mann to increase the level of in-house service provision.

THE FUTURE

Even after 60 years of operation Hal Mann still believes it is a young company and that yesterdays achievements are there to set the pace for the future.


AXIS
AUTO
MAN

Rainscreen Cladding Systems

CONCEPT

The essentials of a Rainscreen system are to allow the ingress of air at the base of the system and the egress of air at the top of the system. This ventilated cavity allows any water which penetrates the panel joints to be partly

removed by the 'stack effect' and partly removed by running down the rear face of the panels and out of the base.

ADVANTAGES

- Installation is simple - allowing external cladding and internal works to proceed speedily, early and consecutively
- Problems of deterioration are halted with minimal additional load being applied to the existing structure
- Aesthetic colour, flexibility and shape of external facade may be dramatically altered
- Energy saving - lower running costs due to greatly improved thermal insulation
- Easily removed panels for monitoring of structure
- Reduction of the risk of condensation due to the elimination of cold bridges

APPLICATIONS

- Wall cladding and facade finishes
- Fascias and soffits
- Column covers
- Balcony and canopy cladding
- Stairways and lifts
- Roof edgings and parapet wall copings

PRINCIPLES

- A Rainscreen system consists of an outer panel, a ventilated cavity and an inner leaf
- In driving rain conditions moisture forms a membrane across the baffled vertical and horizontal joints
- The majority of water is deflected off the outside face - any penetrating water is disposed of through drainage
- Rainscreen systems differ from wall sealed construction as the beneficial effects to air movement are utilised
- A Rainscreen system is pressure equalised - the joints are open or lightly baffled, allowing pressure equalisation in driving rain conditions to be instantaneous. Pressure inside the cavity is equal to pressure outside - ie, precipitation has no inclination to be driven into cavity
- A continuous vertical cavity - At least 30 mm deep

FACADE ENGINEERING

As part of a comprehensive technical support service, Hal Mann Vella can provide assistance for the safe and optimised setting out of the grid system through the preparation of 'project specific' static calculations. These calculations determine the engineering requirements of the façade, through the most practical and economical use of the system components.

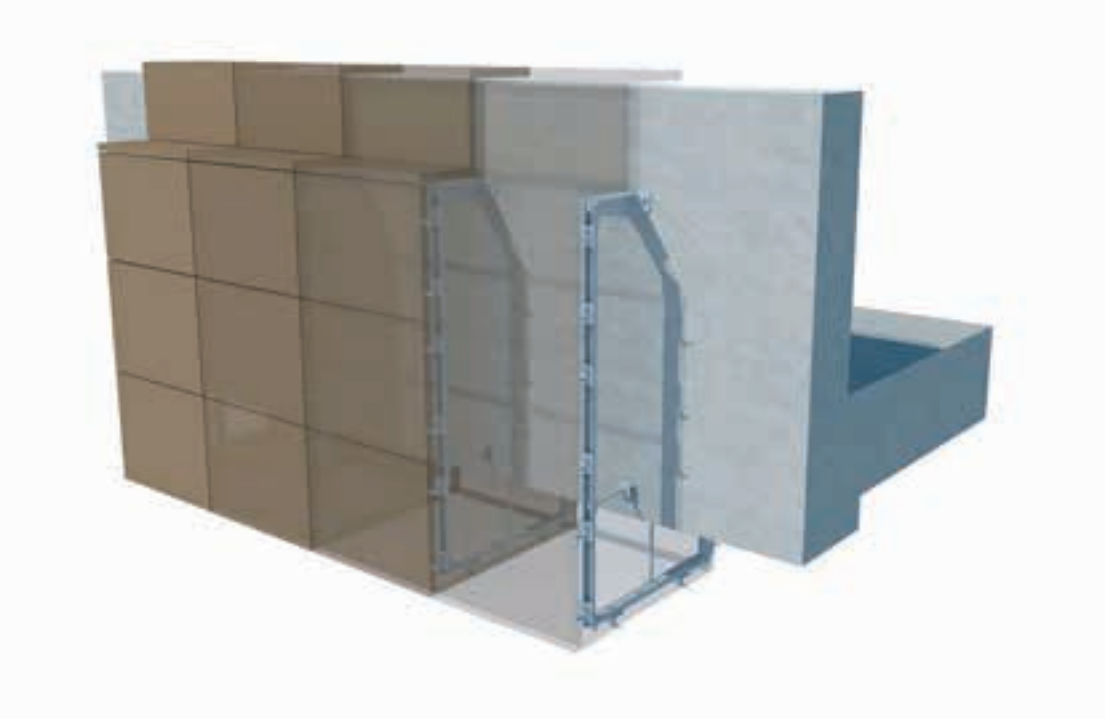
On most projects appearance, suitability, availability and cost are likely to be the determining factors. Ideally the stone or Engineered materials selected will be the most appropriate for the application, readily available, produced to the required tolerances and within budget. In all instances detailed research should be underken to establish the technical competency of the stone at an early stage.

RAINSCREEN CLADDING

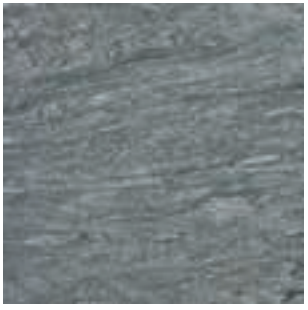
Rainscreen cladding is generally defined as panels that are individually supported and restrained allowing construction to take place with open joints. Differential movement is accommodated in each joint, which negates the need for larger compression and expansion joints. Open jointed systems provide a ventilated cavity and require waterproof rainscreen insulation systems. Ventilated cavities assist in achieving the demands of the new European energy saving requirements.

NATURAL STONE TESTING

To meet the latest requirements and to confirm the stones suitability for use in a specific application, tests should be undertaken in accordance with the appropriate standards as set out in BS EN 1469.



Materials



GRANITE

An igneous rock formed from volcanic magma, producing the hardest and most durable of all natural stones, making it suitable for all Construction, landscaping and interior applications. Massive worldwide availability of literally hundreds of different Granites gives Designers the confidence to specify the product of their choice with guaranteed delivery.

Finishes: polished, honed, flamed, brushed / antique

Applications: cladding, masonry, flooring, paving, worksurfaces.

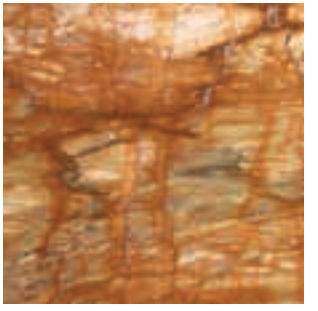
Disclaimer: The materials shown above are a representative sample of a wider selection available. Materials for cladding are chosen after a careful duediligence process between client, architect and Halmann Vella engineers.

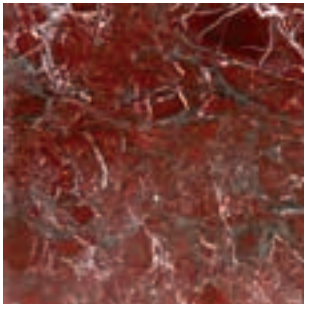
MARBLE

A hard crystalline metamorphic rock composed primarily of calcite which has been used as a building and flooring material for centuries. In essence Marble is pure Limestone that has been metamorphosed by extreme temperatures and pressure from the earth's core to form this beautiful stone. The recognisable and characteristic veining in marbles such as Carrara and Arabescata are due to various mineral deposits like clay, sand and iron oxide which were originally present in the sedimentary Limestone.

Finishes: polished, honed

Applications: cladding, flooring, bathrooms and vanity tops.





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TERRACOTTA/CERAMICS

Through the years, terracotta and ceramics have been used successfully as a building material. Contemporary architecture and manufacturing techniques have produced a vast new selection of products for cladding purposes.

Finishes: smooth, glazed and sand blasted

Applications: cladding, sunscreens and acoustic panels

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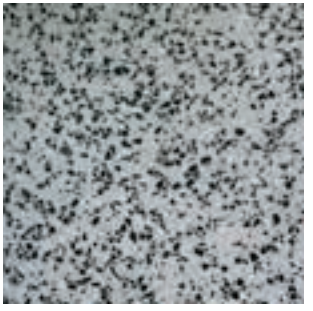
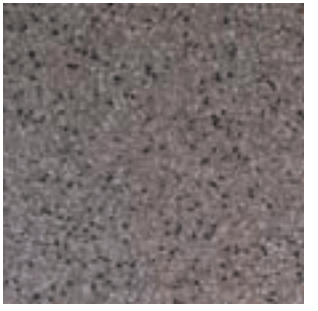
TERRAZZO

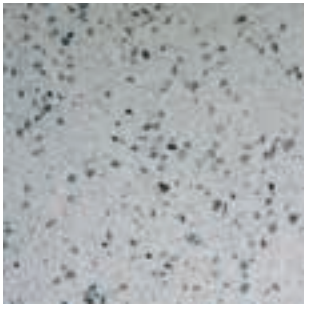
Engendered terrazzo cladding panels specially developed to meet the performance requirements of the ventilated facade cladding. Panels with maximum format of 120cm x 120cm.

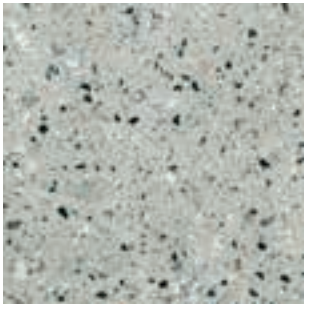
Finishes: polished, brushed, homed, ribbed and 3D surface.

Applications: cladding & paving









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HARDSTONE

A sedimentary rock composed of calcium carbonate which has formed on the sea bed millions of years ago from the remains of seashells and marine organisms.

Finishes: polished, honed, flamed, brushed / antique

Applications: cladding, masonry, flooring, paving and worksurfaces

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Projects

MALTA FINANCIAL SERVICES AUTHORITY

Location	Mriehel, Malta
Client	MFSA
Material	Verde Savana
Period	1993-1994

HILTON TOWER

Location	Portomaso St. Julians, Malta
Client	Tumas Group
Material	Terracotta Cladding
Period	1998-2000

HILTON
BUSINESS CENTRE

Location	Portomaso St. Julians, Malta
Client	Tumas Group
Material	Iroko Beige
Period	1998-2000

DIAMONDS INTERNATIONAL

Location	Portomaso St. Julians, Malta
Client	Tumas Group
Material	Pietra del Cardosa
Period	2003-2004


DIAMONDS INTERNATIONAL

PIAZZA TIGNE'

Location	Tigne' Point Sliema, Malta
Client	Midi Plc.
Material	Various
Period	2008-2010

SMART CITY MALTA

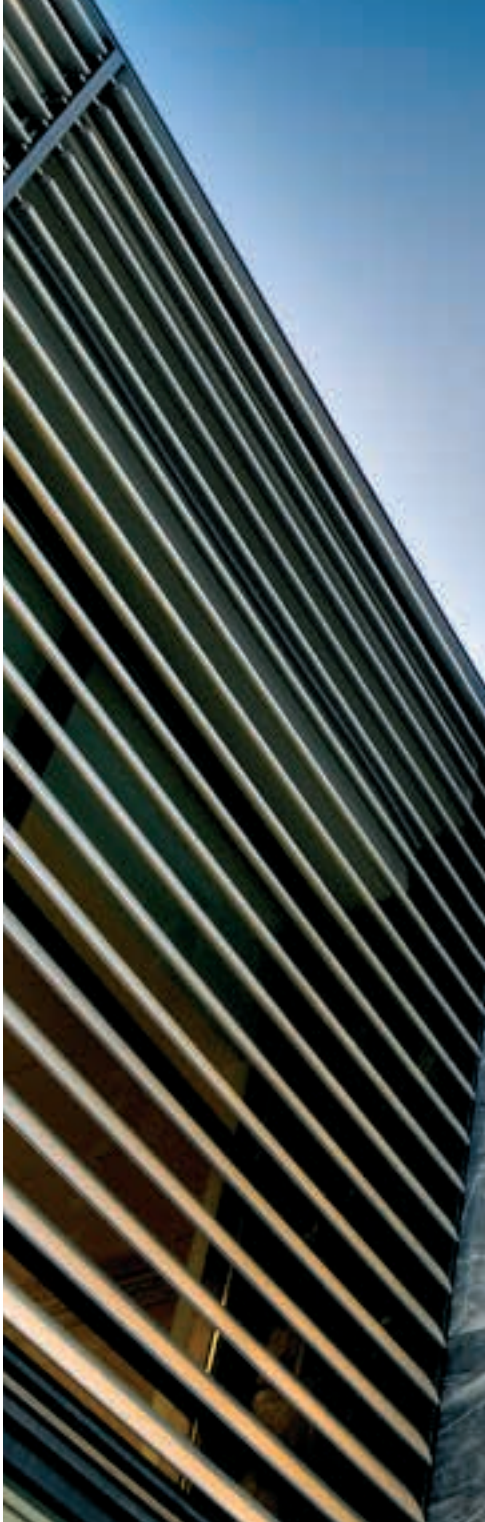
Location	Smart City, Malta
Client	Smart City Malta JV
Material	Giallo Oro & Ceramics
Period	2010-

LIFE SCIENCES PARK

Location	San Gwann Industrial Park
Client	Malta Enterprise
Material	Engineered Terrazzo Cladding
Period	2013-2014

BAYSTREET
SHOPPING COMPLEX

Location	St. Julians, Malta
Client	Baystreet
Material	Rosa Gamma Fiammato Rosa Porrino Fiammato Travertine
Period	2000



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