MICHELMERSH
Britain's Brick Specialists

Floren.be™

ISSUE 4

PRODUCT PORTFOLIO

POLARIS
HOUSE-WITHIN-A-HOUSE, LONDON

ASK AND
we'll create it

© JACK FOB HOUSE

BRICKS

WELCOME TO FLOREN

Based in Brecht, Belgium, Floren.be has successfully undertaken a programme of strategic sustainable investment and has modernised its production methods in order to grow into a highly reputable, innovative brand recognised by designers and house builders throughout Europe and the UK.

Beautiful craftsmanship.
Sustainability and design intertwined.

Products are manufactured in accordance with the requirements of European Standard: EN 771-1 and BENOR norm: PTV 23-002.

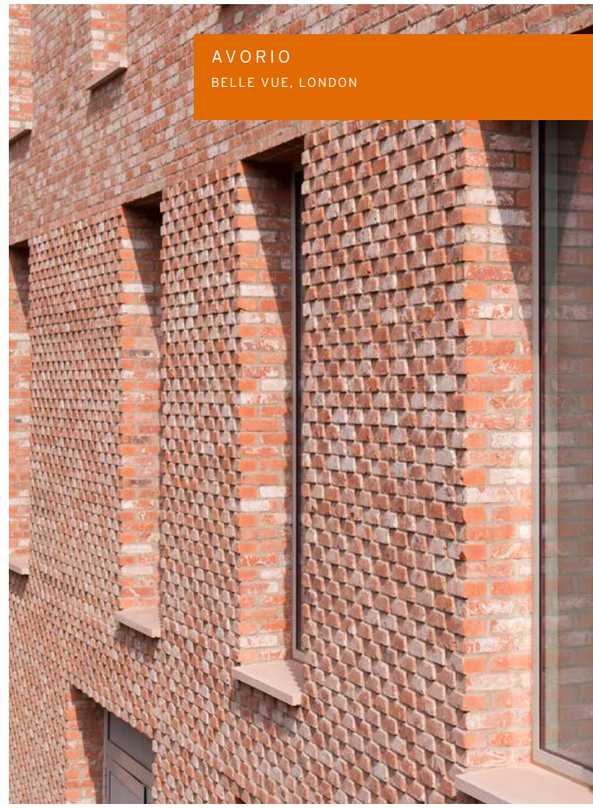
Floren.be™
BRICKS

Floren.be's commitment to sustainability is reflected in its mission to produce high quality products with an extended lifecycle, and to use production methods with a low environmental impact.

ALASKA RUSTIC

ALASKA SINTERED RUSTIC

AVORIO



AVORIO
BELLE VUE, LONDON

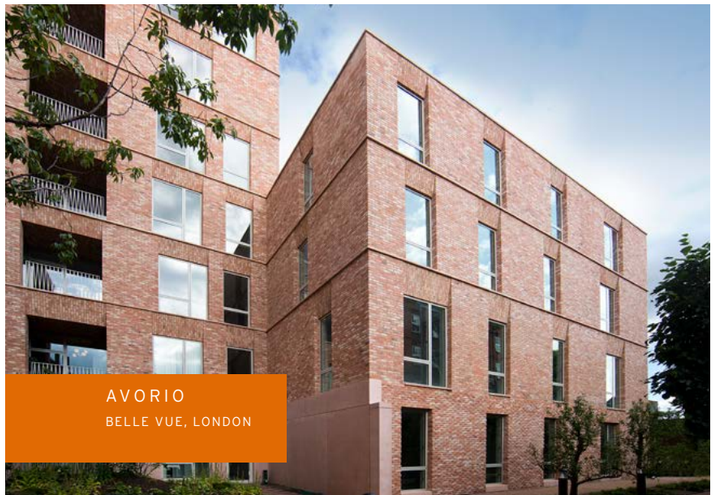
ALBION

ALPHA

BRIGAND

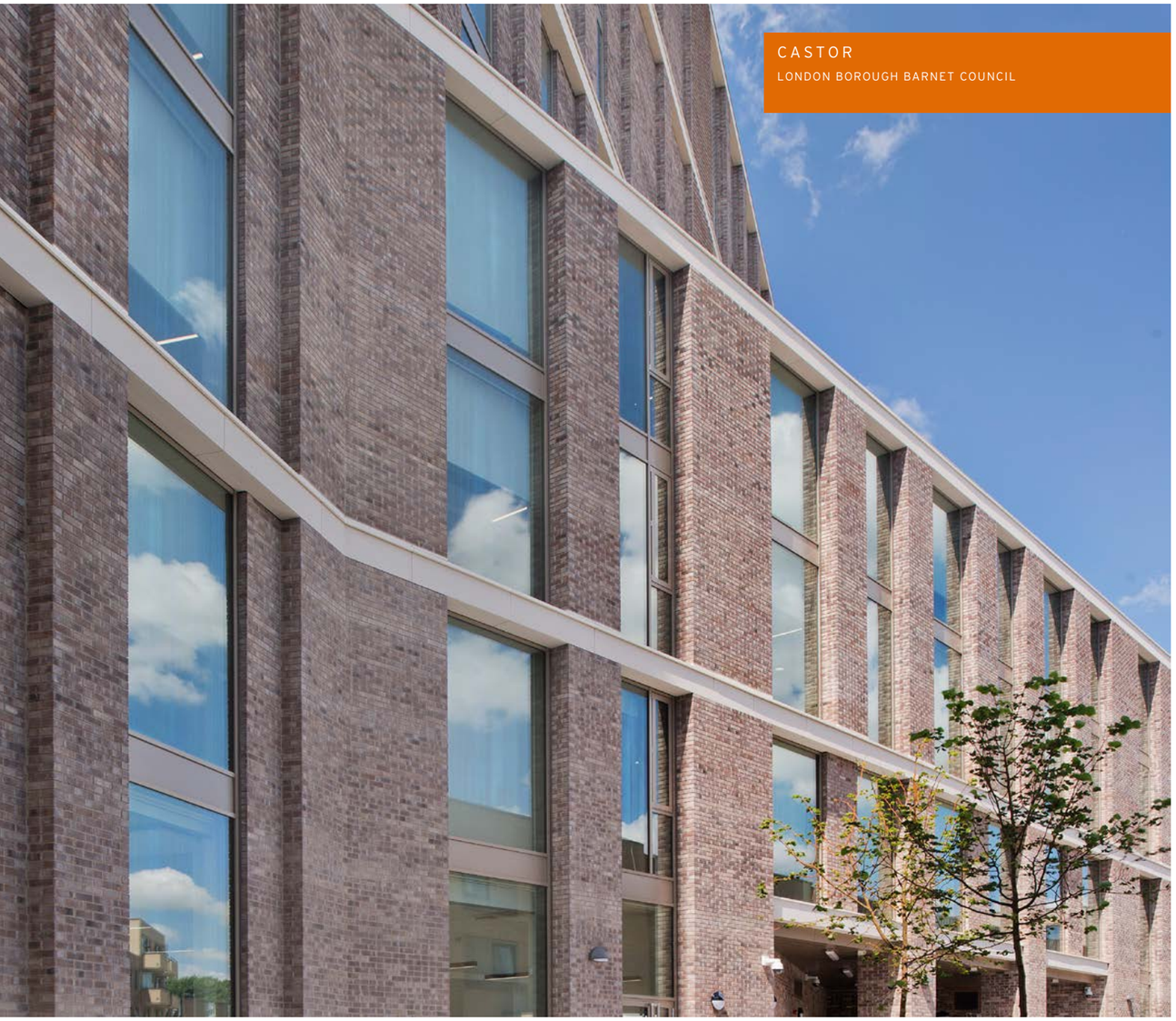
	Dimensional tolerance	Dimensional range	Durability against freeze/thaw	Active soluble salts content	Gross dry density	Compressive strength (minimum)	Water absorption	Thermal conductivity	Dimensions (in mm)
ALASKA RUSTIC	T1	R1	F2	S2	1400 kg/m³	40 N/mm²	Less than 14%	0.45 (50%) W/m.K 0.51 (90%) W/m.K	215 x 102 x 65
ALASKA SINTERED RUSTIC	T1	R1	F2	S2	1400 kg/m³	40 N/mm²	Less than 14%	0.45 (50%) W/m.K 0.51 (90%) W/m.K	215 x 102 x 65
ALBION	T2	R2	F2	S2	1700 kg/m³	40 N/mm²	Less than 10%	0.55 (50%) W/m.K 0.63 (90%) W/m.K	215 x 102 x 65
ALPHA	T2	R2	F2	S2	1700 kg/m³	40 N/mm²	Less than 10%	0.55 (50%) W/m.K 0.63 (90%) W/m.K	215 x 102 x 65
AVORIO	T2	R2	F2	S2	1700 kg/m³	40 N/mm²	Less than 10%	0.55 (50%) W/m.K 0.63 (90%) W/m.K	215 x 102 x 65
BRIGAND	T2	R2	F2	S2	1700 kg/m³	40 N/mm²	Less than 10%	0.55 (50%) W/m.K 0.63 (90%) W/m.K	215 x 102 x 65

PRODUCTS
bybrand



AVORIO
BELLE VUE, LONDON

Floren.be™
BRICKS



CASTOR
LONDON BOROUGH BARNET COUNCIL

Produced at its 120-acre site, Floren.be offers a broad spectrum of bricks, consisting of over 70 different colours in more than 10 different sizes with an array of finishes and textures.

BRUNELLO

CANOPUS

CASTOR

BRUNELLO
VALETTE SQUARE, MANCHESTER

	Dimensional tolerance	Dimensional range	Durability against freeze/thaw	Active soluble salts content	Gross dry density	Compressive strength (minimum)	Water absorption	Thermal conductivity	Dimensions (in mm)
BRUNELLO	T2	R2	F2	S2	1700 kg/m^3	40 N/mm^2	Less than 10%	0.55 (50%) W/m.K 0.63 (90%) W/m.K	215 x 102 x 65
CANOPUS	T2	R2	F2	S2	1700 kg/m^3	40 N/mm^2	Less than 10%	0.55 (50%) W/m.K 0.63 (90%) W/m.K	215 x 102 x 65
CASTOR	T2	R2	F2	S2	1700 kg/m^3	40 N/mm^2	Less than 10%	0.55 (50%) W/m.K 0.63 (90%) W/m.K	215 x 102 x 65

Floren.be™
BRICKS

ALBION AND CASTOR
LANGLEY SQUARE, KENT

CASTOR
BOLLO LANE, LONDON

CASTOR
IVYDALE PRIMARY SCHOOL, LONDON

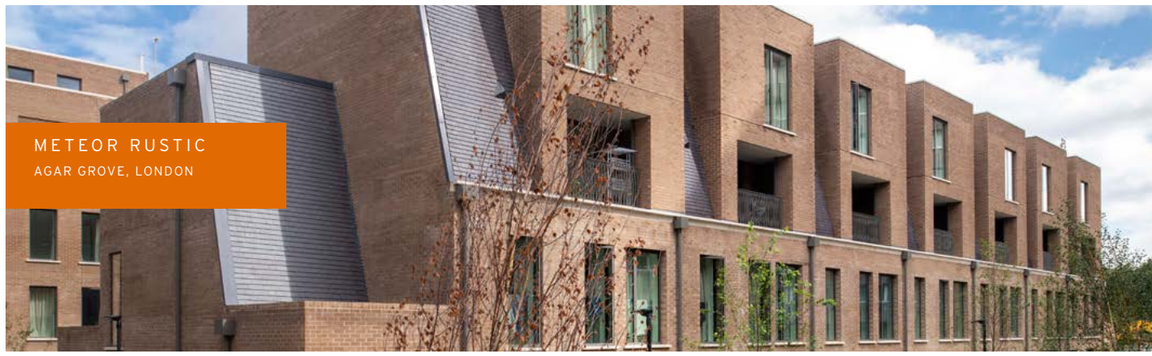
ELEGANT
sustainability

Floren.be™
BRICKS

With its automated production process as well as human craftsmanship, Floren.be has the flexibility to deliver a special touch to designs which delight acclaimed architects and designers across Europe, realising their concepts into architecture they are truly proud of.

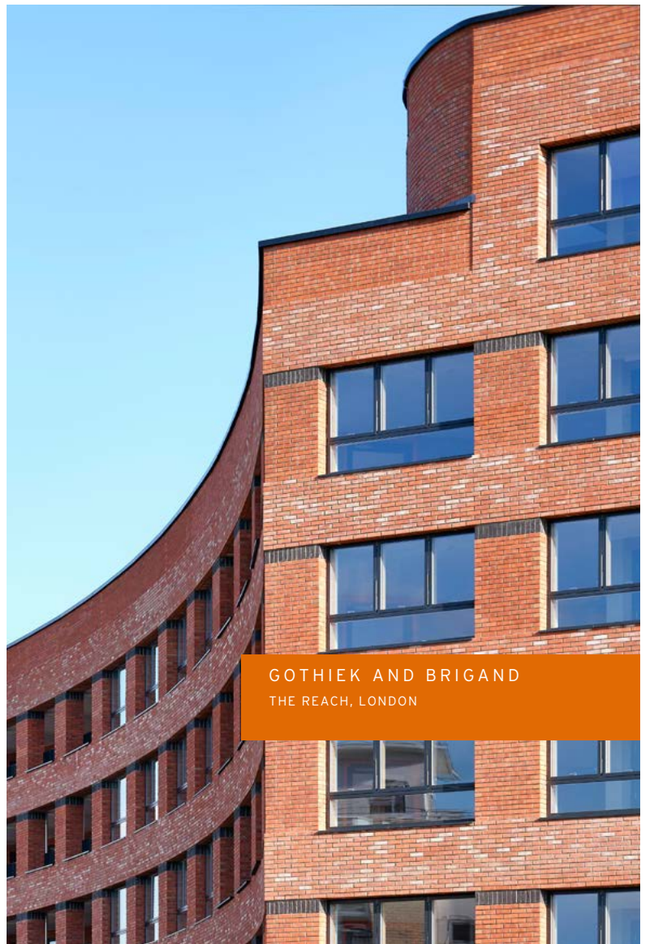
DELTA

GOTHIEK



METEOR RUSTIC
AGAR GROVE, LONDON

LUCCA



GOTHIEK AND BRIGAND
THE REACH, LONDON

METEOR RUSTIC

PALLAS

	Dimensional tolerance	Dimensional range	Durability against freeze/thaw	Active soluble salts content	Gross dry density	Compressive strength (minimum)	Water absorption	Thermal conductivity	Dimensions (in mm)
DELTA	T2	R2	F2	S2	1700 kg/m³	40 N/mm²	Less than 10%	0.55 (50%) W/m.K 0.63 (90%) W/m.K	215 x 102 x 65
GOTHIEK	T2	R2	F2	S2	1700 kg/m³	40 N/mm²	Less than 10%	0.55 (50%) W/m.K 0.63 (90%) W/m.K	215 x 102 x 65
LUCCA	T2	R2	F2	S2	1700 kg/m³	40 N/mm²	Less than 10%	0.55 (50%) W/m.K 0.63 (90%) W/m.K	215 x 102 x 65
METEOR RUSTIC	T2	R2	F2	S2	1700 kg/m³	40 N/mm²	Less than 10%	0.55 (50%) W/m.K 0.63 (90%) W/m.K	215 x 102 x 65
PALLAS	T2	R2	F2	S2	1700 kg/m³	40 N/mm²	Less than 10%	0.55 (50%) W/m.K 0.63 (90%) W/m.K	215 x 102 x 65

Floren.be™
BRICKS

Floren.be continues to gain international acclaim with its products specified on prestigious projects and receiving multiple commendations or awards both in the UK and in Europe.

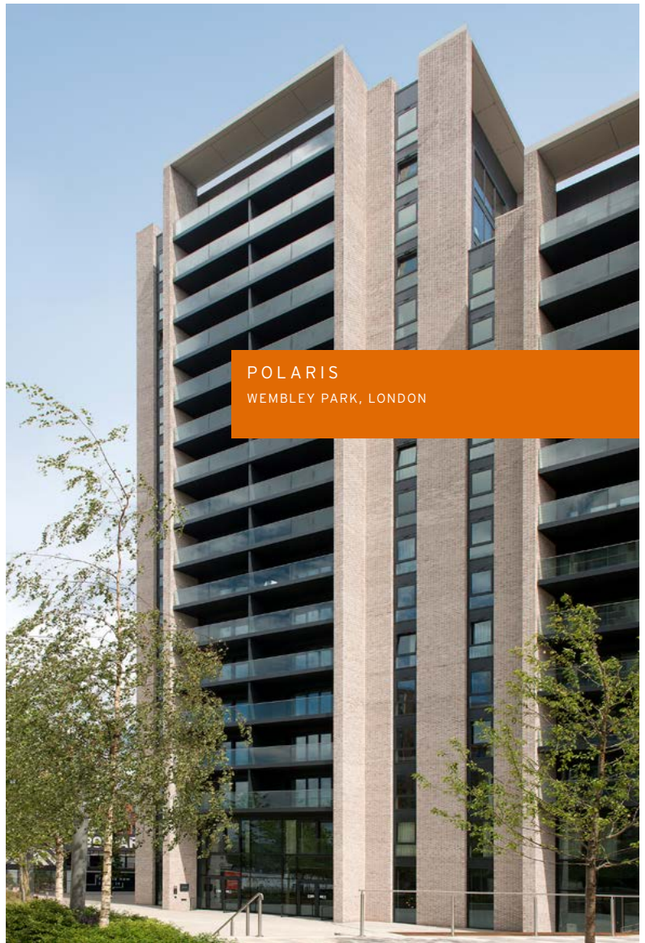
POLARIS

POLLUX

SIRIUS

THE CLASSIC COMMON

PULSAR



POLARIS
WEMBLEY PARK, LONDON

VEGA RUSTIC

WARBOYS CREAM

	Dimensional tolerance	Dimensional range	Durability against freeze/thaw	Active soluble salts content	Gross dry density	Compressive strength (minimum)	Water absorption	Thermal conductivity	Dimensions (in mm)
POLARIS	T2	R2	F2	S2	1700 kg/m³	40 N/mm²	Less than 10%	0.55 (50%) W/m.K 0.63 (90%) W/m.K	215 x 102 x 65
POLLUX	T2	R2	F2	S2	1700 kg/m³	40 N/mm²	Less than 10%	0.55 (50%) W/m.K 0.63 (90%) W/m.K	215 x 102 x 65
PULSAR	T2	R2	F2	S2	1700 kg/m³	40 N/mm²	Less than 10%	0.55 (50%) W/m.K 0.63 (90%) W/m.K	215 x 102 x 65
SIRIUS	T2	R2	F2	S2	1700 kg/m³	40 N/mm²	Less than 10%	0.55 (50%) W/m.K 0.63 (90%) W/m.K	215 x 102 x 65
THE CLASSIC COMMON	T2	R2	F2	S2	1700 kg/m³	40 N/mm²	Less than 10%	0.55 (50%) W/m.K 0.63 (90%) W/m.K	215 x 102 x 65
VEGA RUSTIC	T2	R2	F2	S2	1700 kg/m³	40 N/mm²	Less than 10%	0.55 (50%) W/m.K 0.63 (90%) W/m.K	215 x 102 x 65
WARBOYS CREAM	T1	R1	F2	S2	1400 kg/m³	40 N/mm²	Less than 14%	0.45 (50%) W/m.K 0.51 (90%) W/m.K	215 x 102 x 65

POLARIS
CAMLEY STREET, LONDON

DEFINE
new builds

i-line™
BRICKS

WELCOME TO i-line

A reflection of specifiers' and architects' demands for a product to fulfil the vision of modern, striking, contemporary design. Linear to offer an elongated elegance, i-line products can define new builds, harmonise with older brickwork to bring a modern vision to renovations and be as individual as every building deserves.

Slimline, designed bricks.
Bring your project to life!

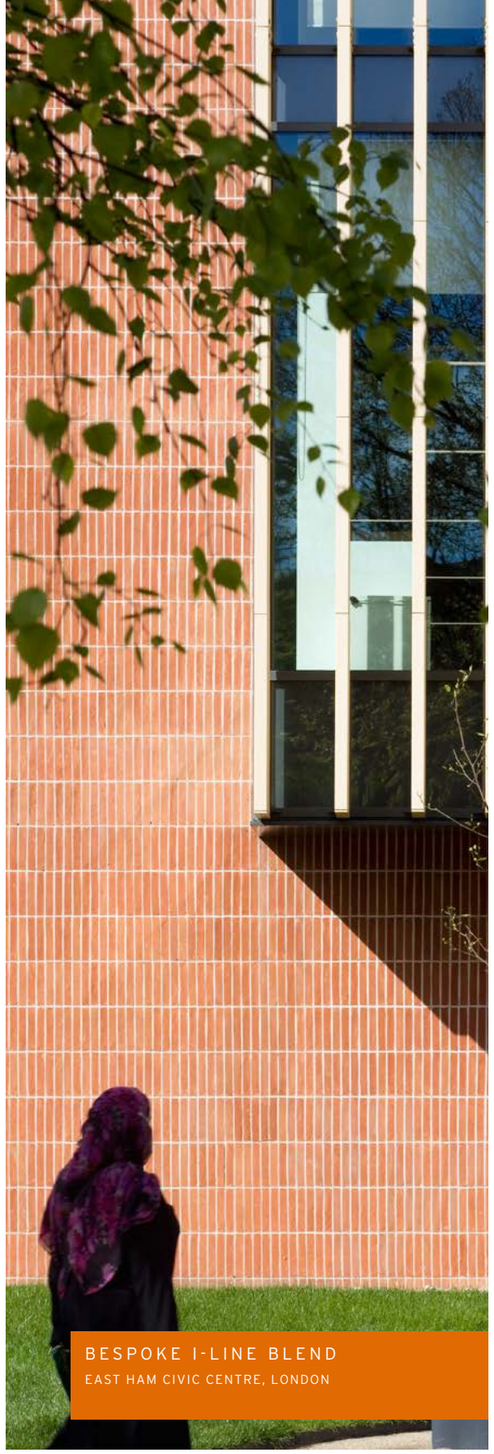
Products are manufactured in accordance with the requirements of European Standard: EN 771-1 and BENOR norm: PTV 23-002.

i-line™
BRICKS

i-line FR5 POLARIS

i-line FR5 POLLUX

i-line FR5 BRIGAND

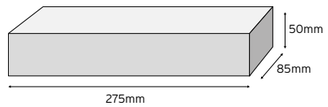


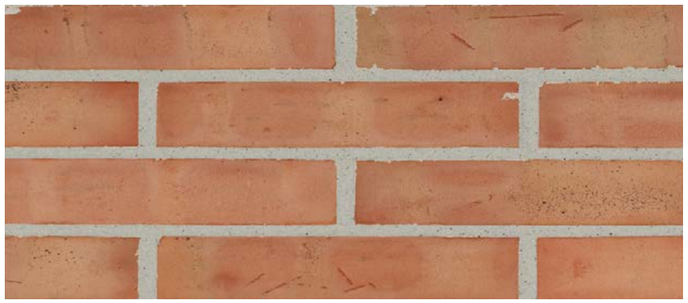
BESPOKE I-LINE BLEND
EAST HAM CIVIC CENTRE, LONDON

Available in a palette of natural base colours, but with the unique ability to offer an infinite blend of bespoke combinations, the range consists of core dimensions in a collection of rustic and straight edged textured finishes.

i-line FR5 ALASKA SINTERED

SIZE GUIDE:



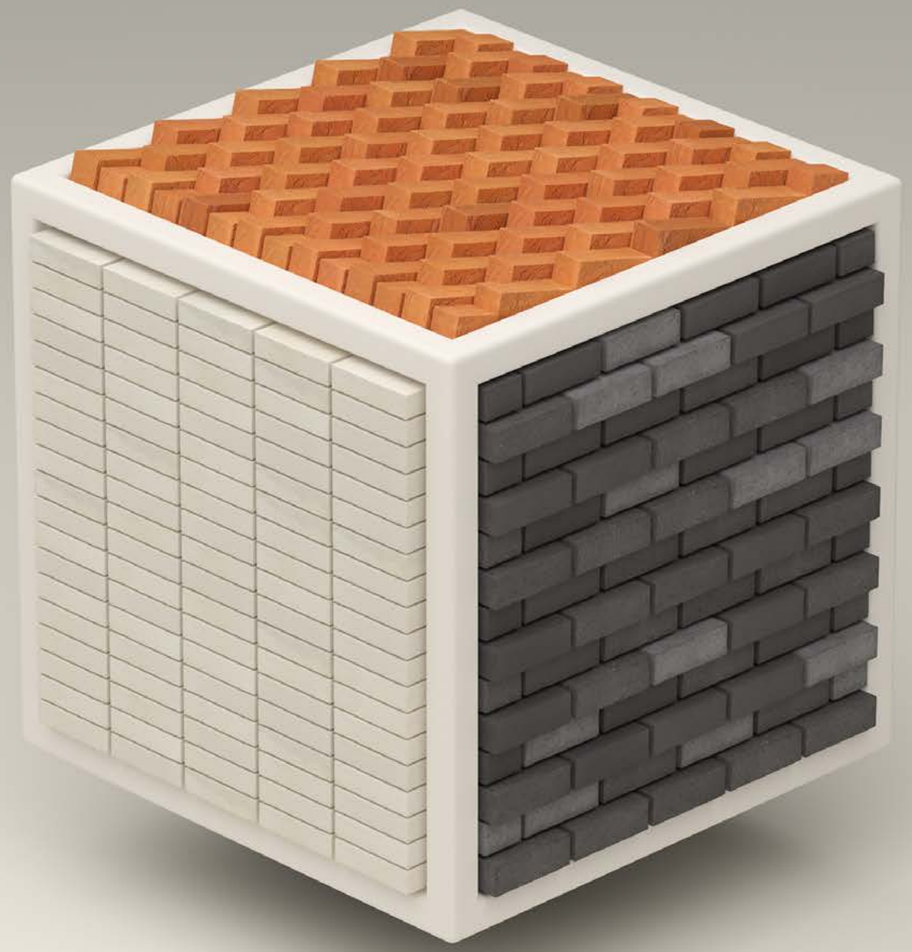


i-line FS5 CLASSIC COMMON

	Dimensional tolerance	Dimensional range	Freeze/Thaw Resistance	Active soluble salts content	Gross dry density	Compressive Strength (minimum)	Water absorption	Thermal conductivity
i-line FR5 POLARIS	T2	R2	F2	S2	1700 kg/m³	40 N/mm²	Less than 10%	0.55 (50%) W/m.K 0.63 (90%) W/m.K
i-line FR5 POLLUX	T2	R2	F2	S2	1700 kg/m³	40 N/mm²	Less than 10%	0.55 (50%) W/m.K 0.63 (90%) W/m.K
i-line FR5 BRIGAND	T2	R2	F2	S2	1700 kg/m³	40 N/mm²	Less than 10%	0.55 (50%) W/m.K 0.63 (90%) W/m.K
i-line FR5 ALASKA SINTERED	T1	R1	F2	S2	1400 kg/m³	40 N/mm²	Less than 14%	0.45 (50%) W/m.K 0.51 (90%) W/m.K
i-line FS5 CLASSIC COMMON	T2	R2	F2	S2	1700 kg/m³	40 N/mm²	Less than 14%	0.55 (50%) W/m.K 0.63 (90%) W/m.K

As i-line products are intended to be usable in combinations of length and bond patterns, Compressive Strength is quoted as a Normalised Value as defined in BS EN 772-1. i.e. Equivalent to a 100 mm wide x 100 mm high unit.

BIM BRICKS.COM



BUILDING MADE BETTER WITH **BIMBRICKS.COM**

Michelmersh remains at the forefront of industry innovation, by continuing to invest and evolve manufacturing processes. At the same time it leads the way in offering intuitive, informative and supportive product data through the most up-to-date construction technology procedures. Acting rapidly on the Government's Construction Strategy published in May 2011, Michelmersh responded with the first range of clay product files. As the first brick manufacturer to introduce Building Information Modelling (BIM) files in the UK, it is now delighted to see a surge in industry support, acceptance and participation.

Façade Designer

The Façade Designer is a fully customisable application tool featured on **mbhplc.co.uk** to give designers, architects and clients the ability to create their own multiple brick blended façade, choosing from the full core range. The Designer aims to inspire creativity, giving users the freedom to firstly choose brick types through colour, texture or size, proceeding onto a mortar colour, and lastly, selecting a bond to evolve the façade to their desired specification.

Once the design is complete, users are given the option to download their final façade design as a high-quality resolution image in multiple formats, and will also be sent the product recipe with relevant product page links, giving the chance to further download our BIM files or other technical data sheets.

BUILDING MADE EASIER WITH **MBHPLC.CO.UK/FACADE-DESIGNER**

THE benefits of brick

High Product Performance

- Thermal Performance
- Air Quality
- Flood Resilience
- Overheating
- Non-combustible
- Cavity Wall Construction
- Class 0 Fire Rating above 18m

Sustainability

- Longevity
- Durability
- Recycled Content
- Low Operational Carbon
- Adaptability
- Reusable
- Climate Resilience
- Locally Sourced

Industry Preference

- Matches UK Vernacular
- Favoured By Planners
- Product Quality Standards
- Established Supply Chain
- Aesthetics
- Forgiving Of Tolerance
- Variety Of Colours

Low Lifetime Cost

- Low Cost & Strong Value
- Low Maintenance
- Financially Underwritten
- Competitive Whole-Life Cost

HyBrick™

The World's First 100% Hydrogen Fired Clay Brick Trials

A New Era of Sustainable Construction Products.

www.mbhplc.co.uk/hybrick

DESIGN FOR 200 YEARS, NOT 20

THINK LONGER

mbhplc.co.uk/think-longer

Durable products with extensive longevity such as clay brick, will prolong the expected life of a building resulting in a lower carbon footprint for every year of use.

For more information, visit: www.mbhplc.co.uk/think-longer

ENHANCING

our built environment

FOR GENERATIONS TO COME

Michelmersh Brick Holdings PLC strives to be a well invested, long term, sustainable and environmentally responsible business. We aim to lead the way in producing some of Britain's premium clay products and enhancing our built environment by adding value to the architectural landscape for generations to come.

Michelmersh Brick Holdings PLC holds the following accreditations:

- **Energy Management ISO 50001**
- **Environmental Management ISO 14001**
- **Quality Management ISO 9001**
- **Responsible Sourcing BES 6001**

MICHELMERSH
Britain's Brick Specialists

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This brochure has been designed to be a long lasting resource that has been produced from sustainable sources and proudly made in the UK. We kindly ask you to recycle it at the end of its use.