

COTSWOLD RESIDENTIAL DESIGN LTD.

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Date: 04.04.2024.

Site Address: Villiers park, School Lane, Middleton Stoney, Oxfordshire, OX25 4AW.

Reference: Schedule of materials and finishes to be used in the external walls and roof to discharge condition 3 as detailed on decision notice issued on 28th July 2023.



Photo 1 – Existing Outbuilding – Timber Clad walls and Fibre slate tiled roof.



Photo 2 – Proposed fibre Slate Roof Tiles.

Minimum pitch**: Severe exposure	25° (100mm lap) 22.5° (110mm lap)
Maximum pitch	90°
Typical laps	100, 110mm
Slate hooks	Hook fixed 100 -150mm
Maximum gauge	245 - 250mm
Slate thickness	4mm
Covering capacity (net)	13.4 slates/m ² at 100mm lap 13.6 slates/m ² at 110mm lap 14.8 slates/m ² at 150mm lap
Weight of slating (approx)	20.4 kg/m ² (0.20 kN/m ²) at 100mm lap 20.9 kg/m ² (0.20 kN/m ²) at 110mm lap 22.8 kg/m ² (0.20kN/m ²) at 150mm lap
Battens required (net)	4.00 lin.m/m ² at 100mm lap 4.08 lin.m/m ² at 110mm lap 4.45 lin.m/m ² at 150mm lap
Batten size recommended (fixed to BS 5534)	50 x 25mm for rafters/supports not exceeding 600mm centres
Fixings	Slate nails (30 x 2.65mm) Copper disc rivets (19mm dia. x 2mm stem)
Fitting Screws	14 gauge self sealing
Slate hooks***	Length to equal to lap
Authority	BS EN 492

Cedral fibre cement slates meet the strength requirement of BS EN 492, achieving an average bending movement greater than 50 NM/M (Class B). The slates also have a minimum density of 1700 kg/m³ and a nominal thickness of 4mm.

*Made to order

**The minimum recommended pitch and lap may be influenced by special circumstances, please contact the Technical Advisory Team for further information

***When using slate hooks the perimeters /local areas (as defined in BS 5534) will require nails and rivets

Technical specifications

Benefits:

- > A+ Green guide rating
- > Can achieve a BES 6001 'Very Good' rating
- > Environmental product declaration available
- > Can be used for both roof and facade
- > Fibre cement is a recyclable building material
- > Low maintenance
- > Low carbon footprint of 16 CO₂e/m²

Photo 3 – Proposed fibre Slate Roof Tiles.

IRO Timber External Cladding - 145mm X 3.6mtr Charcoal - Pack Of 4

IROECCH



Code	IROECCH
EAN Code	0798237153605
Brand	IRO
Colour	Charcoal
Dimension	145mm (H) x 3600mm (L) x 22mm (T)
Guarantee	10 Year Manufacturers
Length	3.6mtr
Material	Larch Wood
Pack Size	Pack of 4
Size	145mm
Square Metre Coverage	2.088sqm
Thickness	22mm

Photo 4 – Proposed external wall timber Larch cladding.

Product Technical Information Sheet

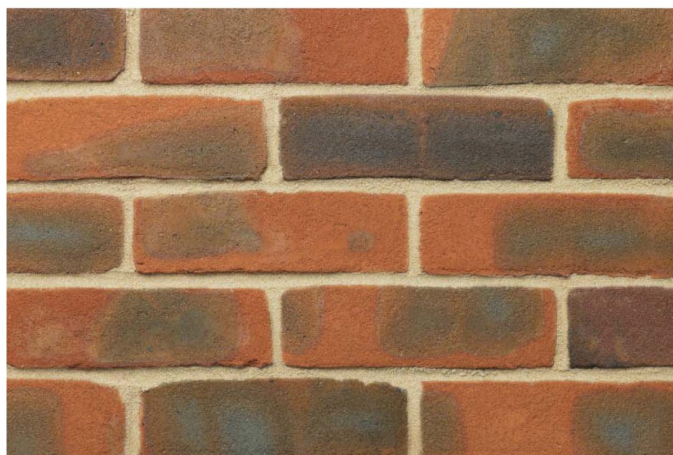
Michelmersh™

Hampshire Stock Red Multi ATR

Configuration (EN 771.1):	Frogged Clay Facing Brick	Dimensions:	215 x 102.5 x 65 mm
Compressive Strength:	>= 6 N/mm ²	Dimensional Tolerance:	T1
Compressive Strength Category:	II	Dimensional Range:	R1
Freeze/Thaw Resistance:	F2	Water Absorption:	=< 18 %
Soluble Salts Content Category:	S2	Initial Rate of Water Absorption:	5 kg/m ² .min
Reaction to Fire:	Class A1	Dangerous Substances:	N/A
Thermal Conductivity (P = 50):	0.41 W/m.K	Thermal Resistance (P = 50):	0.25 m ² .K/W
Thermal Conductivity (P = 90):	0.47 W/m.K	Thermal Resistance (P = 90):	0.22 m ² .K/W
Void Percentage:	7 - 13 %	Net Dry Density:	1600 kg/m ³
Water Vapour Permeability Coefficient:	5/10	Gross Dry Density:	1400 kg/m ³
Bond Strength (fixed value):	0.15 N/mm ²	Density Tolerance:	D1
Quantity per Pack:	495	Recycled Content:	0 %
Product Weight:	2.02 kg	DoP common root reference code:	--MM65FAB--
Products per Square Metre:	60		

Clay bricks are manufactured and supplied to relevant clauses of **BS EN 771-1**.

Declarations of performance, environmental and other policies can be found on the company website: www.mbhplc.co.uk. Further information is available via our sales department on 0844 931 0022 or email sales@mbhplc.co.uk.



Technical data correct at the time of issue. Please order a sample for accurate representation of product.

Issue Date: **06/02/2024**

Photo 5 – Brickwork used for dwarf wall. Same brick which matches the other outbuildings on the site.

Regards

Brendon Gilford.

Senior Building Surveyor.