



CONCRETE ROOF TILES

PRODUCT RANGE & ACCESSORIES

**The UK's largest
manufacturer
and supplier of
precast concrete
solutions.**

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INTRODUCTION



FP McCann is the UK's largest manufacturer and supplier of precast concrete solutions. We are committed to high quality, cost-effective and sustainable solutions tailored to meet clients' requirements. Concrete Roof Tiles is the latest division to join our extensive range.

From our fourteen UK manufacturing facilities, FP McCann offers solutions that include architectural and structural solutions, rooms, flooring, fencing,

walling, shafts, tunnels, drainage, rail, power and agricultural products. FP McCann has worked on a large range of Design for Manufacture and Assembly (DfMA) projects across the UK. Our in-house Digital Engineering capability has grown in line with government and client expectations.

Our new high quality, machine produced Concrete Roof Tiles are available in a variety of profiles and colour options.



ROUND TOP PRECAST CONCRETE TILE



Shown here in Brown.



DIMENSIONS	
Size	420mm x 334mm
Thickness	26mm
Weight	4.5kg
Nail Size	70mm x 3.35mm Aluminium Alloy
Batten Size	50 x 25mm (rafters not exceeding 600mm c/c)
WEIGHTS & COVERAGE	
Weight of Tiling	75mm headlap - 47kg/m ²
	100mm headlap - 51kg/m ²
Covering Capacity	75mm headlap - 9.8 tiles/m ²
	100mm headlap - 10.6 tiles/m ²
Cover Width	305mm
Minimum Headlap	75mm
Minimum Pitch	75mm headlap - 17.5°
	100mm headlap - 15°
Maximum Gauge	345mm
DELIVERY DETAILS	
Tiles per Band	35
Tiles per Pallet	210
Weight of Pallet	960kg



AVAILABLE IN



Rustic Red



Anthracite



Brown



Terracotta

PRECAST CONCRETE TILE **SQUARE TOP**



Shown here in Brown.



DIMENSIONS	
Size	420mm x 330mm
Thickness	25mm
Weight	4.6kg
Nail Size	55mm x 3.35mm Aluminium Alloy
Batten Size	50 x 25mm (rafters not exceeding 600mm c/c)
WEIGHTS & COVERAGE	
Weight of Tiling	100mm headlap - 49kg/m ²
	75mm headlap - 45kg/m ²
Covering Capacity	100mm headlap - 10.5 tiles/m ²
	75mm headlap - 9.8 tiles/m ²
Cover Width	297mm
Minimum Headlap	75mm above 25°
Minimum Pitch	100mm headlap - 22.5°
	75mm headlap - 25°
Maximum Gauge	345mm
DELIVERY DETAILS	
Tiles per Band	36
Tiles per Pallet	228
Weight of Pallet	995kg

AVAILABLE IN



Rustic Red



Anthracite



Brown

DOUBLE ROMAN PRECAST CONCRETE TILE



Shown here in Rustic Red.



AVAILABLE IN



Rustic Red



Anthracite



Brown

DIMENSIONS

Size	420mm x 330mm
Thickness	28mm
Weight	4.6kg
Nail Size	65mm x 3.35mm Aluminium Alloy
Batten Size	50 x 25mm (rafters not exceeding 600mm c/c)

WEIGHTS & COVERAGE

Weight of Tiling	75mm headlap - 45kg/m ² 100mm headlap - 49kg/m ²
Covering Capacity	75mm headlap - 9.8 tiles/m ² 100mm headlap - 10.5 tiles/m ²
Cover Width	297mm
Minimum Headlap	75mm
Minimum Pitch	100mm headlap - 17.5° 75mm headlap - 22.5°
Maximum Gauge	345mm

DELIVERY DETAILS

Tiles per Band	35
Tiles per Pallet	210
Weight of Pallet	995kg

PRECAST CONCRETE TILE **DUO THIN FLAT**



Shown here in Black.



DIMENSIONS	
Size	420mm x 334mm
Thickness	21mm
Weight	4.7kg
Nail Size	40mm x 3.35mm Aluminium Alloy
Batten Size	50 x 25mm (rafters not exceeding 600mm c/c)
WEIGHTS & COVERAGE	
Weight of Tiling	75mm headlap - 45kg/m ² 100mm headlap - 49kg/m ²
Covering Capacity	75mm headlap - 9.7 tiles/m ² 100mm headlap - 10.5 tiles/m ²
Cover Width	305mm
Minimum Headlap	75mm (normal exposure)
Minimum Pitch	100mm headlap - 17.5° 75mm headlap - 22.5°
Maximum Gauge	345mm
DELIVERY DETAILS	
Tiles per Band	38
Tiles per Pallet	228
Weight of Pallet	1086kg

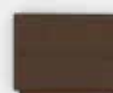
AVAILABLE IN



Rustic Red



Anthracite



Brown



Terracotta



Black

THIN FLAT PRECAST CONCRETE TILE



Shown here in Anthracite.

AVAILABLE IN



Rustic Red



Anthracite



Brown



Terracotta



Black

DIMENSIONS

Size	420mm x 334mm
Thickness	21mm
Weight	4.7kg
Nail Size	40mm x 3.35mm Aluminium Alloy
Batten Size	50 x 25mm (rafters not exceeding 600mm c/c)

WEIGHTS & COVERAGE

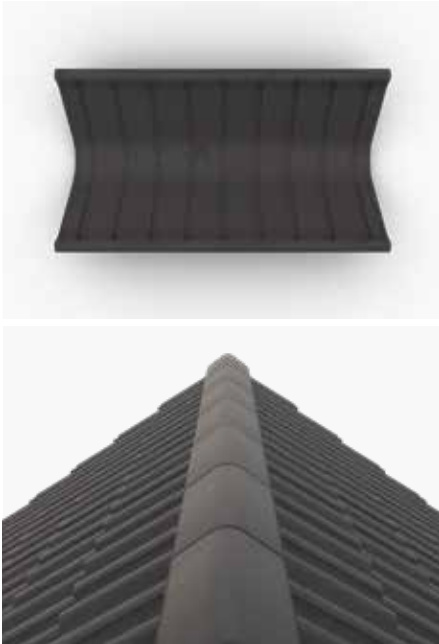
Weight of Tiling	75mm headlap - 45kg/m ² 100mm headlap - 49kg/m ²
Covering Capacity	75mm headlap - 9.7 tiles/m ² 100mm headlap - 10.5 tiles/m ²
Cover Width	305mm
Minimum Headlap	75mm (normal exposure)
Minimum Pitch	100mm headlap - 17.5° 75mm headlap - 22.5°
Maximum Gauge	345mm

DELIVERY DETAILS

Tiles per Band	38
Tiles per Pallet	228
Weight of Pallet	1086kg

PRECAST CONCRETE TILE **MULTI-RIDGE**

Shown here in Anthracite.



AVAILABLE IN



MULTI-RIDGE DIMENSIONS

Length	457mm	Maximum Roof Pitch	45°
Width	250mm	Tiles per Band	35
Height	80mm	Tiles per Pallet	140
Weight	5kg	Weight of Pallet	715kg

Half Round & Third Round Ridge tiles coming soon in 2025

HIP END **CONCRETE TILE FITTINGS**

Shown here in Terracotta.



HIP END DIMENSIONS

Length	510mm
Width	260mm
Height	130mm
Thickness	25mm
Weight	6.4kg

Multi Ridge Block Ends also available

SOLAR ROOF TILE



SolarTyle and FP McCann have partnered to deliver a complete integrated solar roof solution, combining FP McCann's Thin Flat roof tile range with SolarTyle's innovative in-roof solar technology.

Aesthetics & Design

- In-roof solar tiles that sit flush with FP McCann's Thin Flat tiles and follow the natural contours of a tiled roof
- Exclusive colour-matched tiles for SolarTyle's anthracite and red panels
- No visible brackets or rails, maintaining the clean roofline



Performance & Technology

- 95W integrated modules with advanced IBC (Interdigitated Back Contact) technology
- Smaller format panels allow design flexibility and higher potential yields
- Anti-reflective tempered glass and low power degradation
- MCS certified and fire rated

Installation & Availability

- Rapid installation process using FP McCann's compatible tile system
- Modules assembled in the UK for the UK housing market
- Full system availability: solar tiles, matching roof accessories, plus battery storage, inverters and EV chargers for complete energy solutions

Guarantee & Support

- Supplied as a full roof system with FP McCann tiles and accessories
- Backed by a 15-year system guarantee



EFFLORESCENCE & STATE OF THE ART TECHNOLOGY



WHAT IS EFFLORESCENCE AND HOW DO WE TREAT IT?

Efflorescence is a natural result of the reaction between cement and water. The calcium hydroxide 'lime' is a product of this reaction, which rises to the surface of the tile. It cannot be seen when wet but when the tile is dry a chalky, white residue can be seen.

The occurrence of efflorescence on concrete roof tiles is erratic and unpredictable, but weather conditions seem to be a significant factor.

Efflorescence forms more readily when the concrete tile becomes wet and dries slowly, and therefore, occurs more often during winter.

It is generally only likely to occur in the early life of the product, so materials installed for a year or more without experiencing efflorescence are unlikely to be affected in the future.

FP McCann apply a water-based acrylic sealant to their concrete roof tiles to suppress the lime and prevent efflorescence.

Further expansion at the fully automated Cadeby factory will shortly mean the introduction of additional tile profiles. All FP McCann concrete roof tiles and accessories are of the highest standard and are covered by a 15 year guarantee.



DRY FIX SYSTEMS ROOF ACCESSORIES

McCANNVENT RIDGE & HIP KIT 6m



KIT INCLUDES

McCannFast Ridge Roll 6m Ventilated or Unventilated
100mm x M5 S/S Screw x10
McCannFast Ridge Union x10
McCannFast Union Clip x10
Ridge Batten Connector x10

DRY FIX VALLEY SYSTEM



Eaves Closure Piece



Top Closure Piece 90°



GRP Dry Fix Valley Trough 3m

SPECIFICATION

Minimum Pitch:
as per tile profile

Maximum Pitch: 60°

All components: available
with a 70mm or 110mm
upstand

DRY VERGE SYSTEM



Dry Verge Unit



(Multi) Ridge End Cap

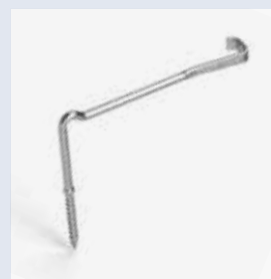
TILE FIXINGS & CLIPS



Universal Eave Clip



Sidelock Clip Thin Flat



Sidelock Clip Round Top

EAVES VENT SYSTEM 6m



Roll Out Rafter Eave Vent
600mm x 6m



Felt Support Tray x10



Over Fascia Ventilator
10mm or 25mm x6

The Eaves Vent System 6m is available as either a 2 part or 3 part system providing a 10mm or 25mm ventilation gap.

UNDERLAY



FP McCann 150gsm Vapour Permeable Membrane

High performance breather
3 layer membrane

Suited for all wind zones

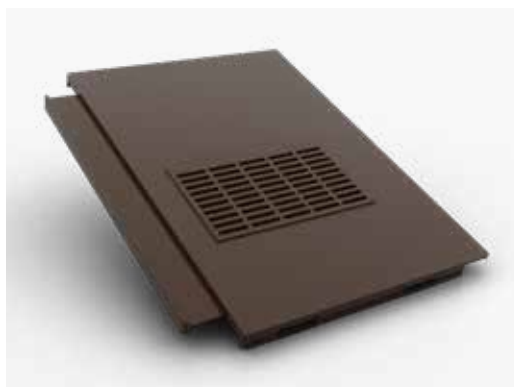
Tested to BS5534:2014
+A2:2018 wind loading

120g & 180g alternatives coming
soon in 2025

McCANNVENT

McCannVent, available for Double Roman, Square Top, Thin Flat and Round Top profiles, is cleverly designed to be completely in-line with the roof, with a minimum pitch of 20°.

The built-in downpipe allows direct ventilation into the roof space if required.



Free ventilation area
10,000mm²

Minimum Pitch
22.5°

Profiles Available
Thin Flat, Round Top, Double Roman
& Square Top

Recommended Tile Spacing
5mm gap - 2m centres
10mm gap - 1m centres

Colours Available
Anthracite, Terracotta, Brown

TILE BEDDING MORTAR

ROOF ACCESSORIES

ROOF TILE BEDDING MORTAR

FP McCann Roof Tile Bedding Mortar is a blend of carefully selected sands, cements and additives manufactured in accordance with EN998-2. Produced in a factory-controlled environment providing consistently high levels of quality, it is a factory produced prescribed 1:3 cement:sand mix with plasticiser. Roof Tile Bedding Mortar is supplied ready for use packaged in a weather resistant bag. It is chloride-free and suitable for use with all standard concrete and clay roof tiles and ridge tiles. Available in Natural and Black with Red colour coming soon in 2025.



FACTORY LOCATIONS

KEY

- Manufacturing Facilities
- ▲ Quarries/Manufacturing Locations



GET IN TOUCH

Scan the QR code for additional contact information and for your regional sales representative, or visit our website: pmccann.co.uk/uk/concrete-roof-tiles/



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