



# CONCRETE ROOF TILES

PRODUCT RANGE & ACCESSORIES

v2.0

# 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 Terracotta.

## AVAILABLE IN



Rustic Red



Anthracite



Brown



Terracotta

## 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 <sup>2</sup> 100mm headlap - 51kg/m <sup>2</sup>
Covering Capacity	75mm headlap - 9.8 tiles/m <sup>2</sup> 100mm headlap - 10.6 tiles/m <sup>2</sup>
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

# 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 <sup>2</sup>
	75mm headlap - 45kg/m <sup>2</sup>
Covering Capacity	100mm headlap - 10.5 tiles/m <sup>2</sup>
	75mm headlap - 9.8 tiles/m <sup>2</sup>
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	38
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 <sup>2</sup> 100mm headlap - 49kg/m <sup>2</sup>
Covering Capacity	75mm headlap - 9.8 tiles/m <sup>2</sup> 100mm headlap - 10.5 tiles/m <sup>2</sup>
Cover Width	300mm
Minimum Headlap	75mm
Minimum Pitch	100mm headlap - 17.5° 75mm headlap - 22.5°
Maximum Gauge	345mm

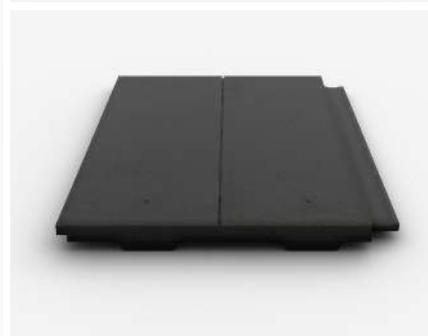
## DELIVERY DETAILS

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 <sup>2</sup>
	100mm headlap - 49kg/m <sup>2</sup>
Covering Capacity	75mm headlap - 9.7 tiles/m <sup>2</sup>
	100mm headlap - 10.5 tiles/m <sup>2</sup>
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



# 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 <sup>2</sup>
	100mm headlap - 49kg/m <sup>2</sup>
Covering Capacity	75mm headlap - 9.7 tiles/m <sup>2</sup>
	100mm headlap - 10.5 tiles/m <sup>2</sup>
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 **SL8 2.0**



Shown here in Grey.

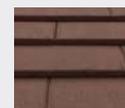


DIMENSIONS	
Size	420mm x 390mm
Weight	5.4kg
Nail Size	45mm x 3.35mm Aluminium Alloy
WEIGHTS & COVERAGE	
Weight of Tiling	75mm headlap - 43.24kg/m <sup>2</sup>
	100mm headlap - 46.62kg/m <sup>2</sup>
Covering Capacity	75mm headlap - 8.01 tiles/m <sup>2</sup>
	100mm headlap - 8.63 tiles/m <sup>2</sup>
Cover Width	362mm
Minimum Headlap	75mm (normal exposure)
Minimum Pitch	100mm headlap - 17.5°
	75mm headlap - 7°

## AVAILABLE IN



Slate Grey



Brown



Red

# GEMINI PRECAST CONCRETE TILE



Shown here in Red.

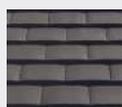
## DIMENSIONS

Size	270mm x 337mm
Weight	2.8kg
Nail Size	45mm x 3.35mm Aluminium Alloy

## WEIGHTS & COVERAGE

Weight of Tiling	80mm headlap - 47.47kg/m <sup>2</sup>
	95mm headlap - 51.54kg/m <sup>2</sup>
Covering Capacity	80mm headlap - 16.66 tiles/m <sup>2</sup>
	95mm headlap - 18.08 tiles/m <sup>2</sup>
Cover Width	316mm
Minimum Pitch	100mm headlap - 22.5°
	75mm headlap - 29.5°

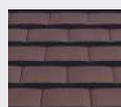
## AVAILABLE IN



Grey



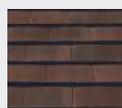
Red



Brown



Sunrise Blend



Mixed Russet

# PRECAST CONCRETE TILE CENTURION



Shown here in Brown.



DIMENSIONS	
Size	385mm x 230mm
Weight	2.85kg
Nail Size	50mm x 3.35mm Aluminium Alloy
WEIGHTS & COVERAGE	
Cover Width	200mm
Minimum Headlap	100mm (normal exposure)
Minimum Pitch	100mm headlap - 10° 75mm headlap - 44°

## AVAILABLE IN



Slate Grey



Brown

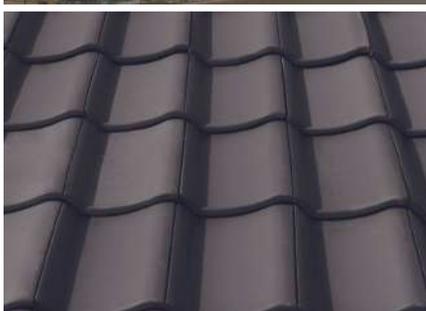


Red



Autumn

# PAN8 PRECAST CONCRETE TILE



Shown here in Red.

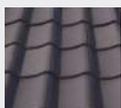
## DIMENSIONS

Size	420mm x 334mm
Weight	4.7kg
Nail Size	40mm x 3.35mm Aluminium Alloy

## WEIGHTS & COVERAGE

Cover Width	367mm
Minimum Headlap	75mm (normal exposure)
Minimum Pitch	25° - 75°

## AVAILABLE IN



Slate Grey



Red



Brown

# PRECAST CONCRETE TILE **HARDROW**



Shown here in Dusk.

	DUETS	SOLOS	HARMONIES
<b>DIMENSIONS</b>			
Size	457mm x 305mm	457mm x 457mm	610mm x 457mm
Weight	4.8kg	7.2kg	10.6kg
Nail Size	40mm x 3.35mm Aluminium Alloy	40mm x 3.35mm Aluminium Alloy	40mm x 3.35mm Aluminium Alloy
<b>WEIGHTS &amp; COVERAGE</b>			
Cover Width	311mm	457mm	457mm
Minimum Headlap	75mm (normal exposure)	75mm (normal exposure)	75mm (normal exposure)
Minimum Pitch	75mm headlap - 25°+	75mm headlap - 25°+ 102mm headlap - 20-24.5°	75mm headlap - 25°+ 102mm headlap - 20-24.5° 121mm headlap - 17.5-19.5°

## DUETS

### AVAILABLE IN



Dusk

Barley

Twilight

## SOLOS

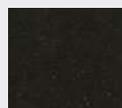
### AVAILABLE IN



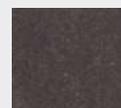
Brown

Dark Grey

Light Grey



Old Stone



Thatch



Yellow

## HARMONIES

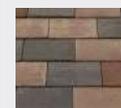
### AVAILABLE IN



Overture

Symphony

Cotswold



Collyweston

# V2 PRECAST CONCRETE TILE



Shown here in Autumn.



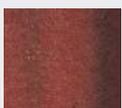
## DIMENSIONS

Size	385mm x 230mm
Weight	2.95kg
Nail Size	50mm x 3.35mm Aluminium Alloy

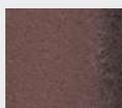
## WEIGHTS & COVERAGE

Weight of Tiling	75mm headlap - 47.58kg/m <sup>2</sup>
	100mm headlap - 51.75kg/m <sup>2</sup>
Covering Capacity	75mm headlap - 16.13 tiles/m <sup>2</sup>
	100mm headlap - 17.54 tiles/m <sup>2</sup>
Cover Width	200mm
Minimum Headlap	75mm (normal exposure)
Minimum Pitch	100mm headlap - 17.5°
	75mm headlap - 70°

## AVAILABLE IN



Autumn



Brown



Slate Grey



Red

# PRECAST CONCRETE TILE **SENATOR**



Shown here in Autumn.



DIMENSIONS	
Size	385mm x 230mm
Weight	2.85kg
Nail Size	40mm x 3.35mm Aluminium Alloy
WEIGHTS & COVERAGE	
Weight of Tiling	75mm headlap - 46.77kg/m <sup>2</sup>
	100mm headlap - 52.73kg/m <sup>2</sup>
Covering Capacity	75mm headlap - 16.13 tiles/m <sup>2</sup>
	100mm headlap - 18.18 tiles/m <sup>2</sup>
Cover Width	200mm
Minimum Headlap	75mm (normal exposure)
Minimum Pitch	100mm headlap - 22.5°
	75mm headlap - 70°

## AVAILABLE IN



Autumn



Brown



Slate Grey



Red

# PLAIN PRECAST CONCRETE TILE



Shown here in Red.

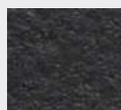
## AVAILABLE IN



Red



Brown



Grey



Mixed Russet



Sunrise Blend

## ROOFING

### DIMENSIONS

Size	268mm x 165mm
Weight	1.25kg
Nail Size	40mm x 3mm Aluminium Alloy

### WEIGHTS & COVERAGE

Cover Width	165mm
Minimum Headlap	65mm (normal exposure)

## VERTICAL CLADDING

### DIMENSIONS

Size	268mm x 165mm
Weight	1.25kg
Nail Size	40mm x 3mm Aluminium Alloy

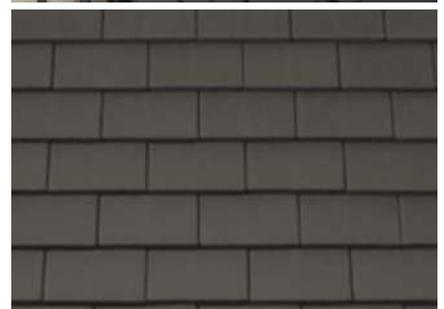
### WEIGHTS & COVERAGE

Cover Width	165mm
Minimum Headlap	35mm (normal exposure)

# PRECAST CONCRETE TILE **MINISLATE**



Shown here in Grey.



DIMENSIONS	
Size	270mm x 337mm
Weight	2.8kg
Nail Size	45mm x 3.35mm Aluminium Alloy
WEIGHTS & COVERAGE	
Cover Width	316mm
Minimum Headlap	75mm (normal exposure)
Pitch	22.5° - 70°

## AVAILABLE IN



Grey

# MULTI-RIDGE PRECAST CONCRETE TILE



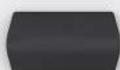
Shown here in Anthracite.



## AVAILABLE IN



Rustic Red



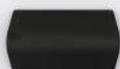
Anthracite



Brown



Terracotta



Black

## 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

# CONCRETE TILE FITTINGS HIP END

Shown here in Terracotta.



## HIP END DIMENSIONS

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

Multi Ridge Block Ends also available

# ROOF ACCESSORIES **THIRD & HALF ROUND**



HALF ROUND DIMENSIONS			
Length	457mm	Maximum Roof Pitch	50°
Width	250mm	Tiles per Band	4
Height	100mm	Tiles per Pallet	96
Weight	5.4kg	Weight of Pallet	518kg



## AVAILABLE IN



THIRD ROUND DIMENSIONS			
Length	457mm	Tiles per Band	5
Width	250mm	Tiles per Pallet	120
Height	100mm	Weight of Pallet	583kg
Weight	5.2kg		

## 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.







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

# 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

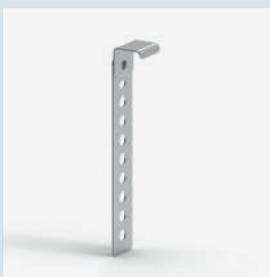


Dry Verge Unit



(Multi) Ridge End Cap

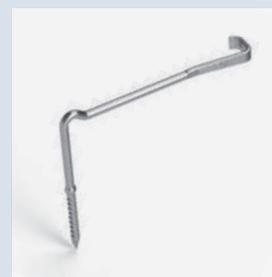
## TILE FIXINGS & CLIPS



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

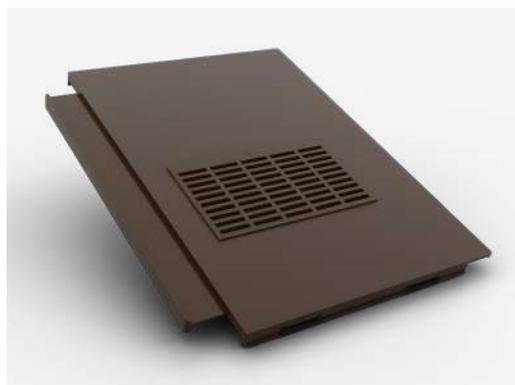
Tested to BS5534:2014  
+A2:2018 wind loading

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**  
10,000mm<sup>2</sup>

**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, Black and Red colours.



# 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/](http://pmccann.co.uk/uk/concrete-roof-tiles/)



# CONCRETE ROOF TILES

PRODUCT RANGE & ACCESSORIES

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