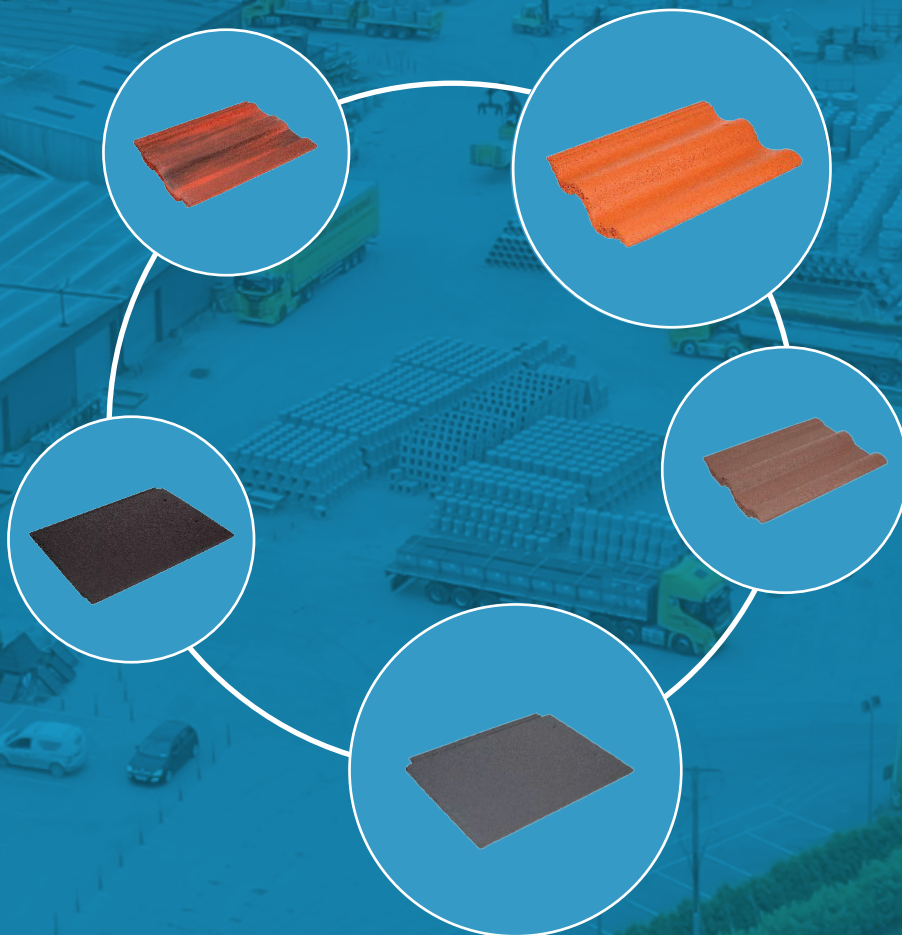




**CONDRON**  
CONCRETE WORKS

## CONDRON CONCRETE ROOF TILES





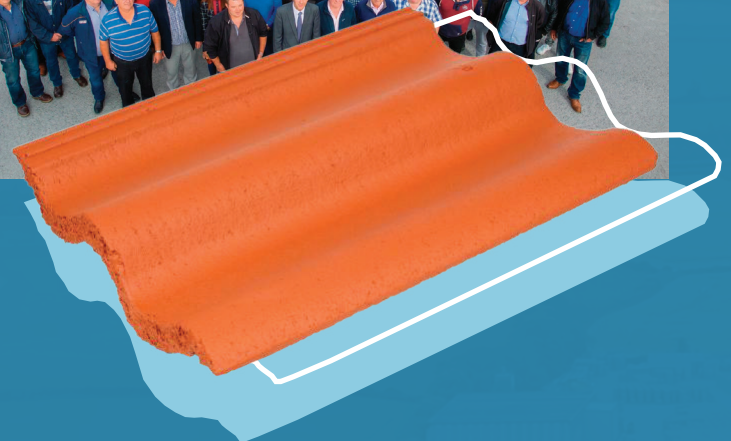
# WELCOME TO CONDRON CONCRETE WORKS

## INTRODUCTION

CONDRON CONCRETE WORKS is a 100% Irish owned Private Company founded in 1969 by John Condrón. It is located just outside Tullamore, Co. Offaly, Ireland. As well as concrete roof tiles and accessories, the company manufactures concrete pipes, manholes (standard & customised) and gully traps, plastic twinwall drainage pipes, landdrains and ducting.

CONDRON CONCRETE WORKS is a leading manufacturer of concrete and plastic construction products, with its innovative products designed to reduce installation time and costs as well continuing striving to reduce CO<sub>2</sub> emissions and to improve sustainability by improving our energy efficiency in all areas of our manufacturing processes.

Condrón Concrete roof tiles are manufactured from cement, aggregate, pigments, additives and water mixed and produced under a high pressure compaction and extrusion process using the latest concrete production technologies. Tiles are coated on the top surface with an acrylic coating.



## MANUFACTURING STANDARDS

Condrón Concrete roof tiles are manufactured to comply with the requirements of European Standards Concrete roofing tiles and fittings for roof covering and wall cladding EN 490: - Product specifications and EN 491: Test methods.

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## CONTENTS

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# SENIOR SLATE

## COLOURS

Black  
Anthracite  
Grey

New Brown  
Terracotta  
Country Red



The Condron Senior slate offers the ultimate in thin leading edge roof tile technology. Available in 6 distinctive Condron colours and suitable for roof pitches down to 22.5°. Also available in Mock Bond and Bullnose front edge versions.

### Fittings and accessories Verge

Left hand verge tile  
Left and right hand half tiles  
Dry verge - Plastic Uni-click system  
Continuous dry verge system

### Ridges

Universal Angle ridge  
High Pitch Angle ridge  
Universal Ornamental ridges

### Hip

Universal Angle ridge  
High Pitch Universal Angle ridge  
Universal Ornamental ridges

### Valley

GRP dry & bedded  
Lead

### Ventilation

Dry ridge and hip systems  
Over-fascia ventilation system  
Tile ventilators

### Fixings

Nails and clips

## TECHNICAL DATA

Minimum roof pitch*	22.5° at 75 mm headlap*
Minimum headlap	75 mm
Maximum gauge	345 mm
Overall length	420 mm
Overall width	330 mm
Cover width	300 mm
Coverage at maximum gauge	9.7 tiles/m <sup>2</sup>
Weight per 1000 tiles	5 tonnes
Laid weight (at 345 mm gauge)	48.7 kg/m <sup>2</sup>
Pallet quantity	240
Batten sizes	38 x 25 mm (rafter centres up to 450 mm) 50 x 25 mm (rafter centres up to 600 mm)
Tile nails	50 x 3.35 mm aluminium clout head
Tile, eaves & verge clips	Stainless steel

\*For roof pitches below 22.5° and rafter lengths over 6 metres, please refer to our 'Constructing a Low pitch underlay system'.

**Note:** Senior Slates should be laid in a broken (half) bond pattern and Mock Bond versions in a quarter/three quarter bond pattern.

# FLAT TILE

## COLOURS

Black  
Anthracite  
Grey

New Brown  
Terracotta  
Country Red



This classic flat interlocking concrete tile combines modern design and technical expertise. Available in a choice of 6 distinctive Condron colours and suitable for roof pitches down to 17.5°. Also available in Mock Bond and Bullnose front edge versions.

### Fittings and accessories Verge

Left hand verge tile  
Left and right hand half tiles  
Dry verge - Plastic Uni-click system  
Continuous dry verge system

### Ridges

Universal Angle ridge  
High Pitch Angle ridge  
Universal Ornamental ridges

### Hip

Universal Angle ridge  
High Pitch Universal Angle ridge  
Universal Ornamental ridges

### Valley

GRP dry & bedded  
Lead

### Ventilation

Dry ridge and hip systems  
Over-fascia ventilation system  
Tile ventilators

### Fixings

Nails and clips

## TECHNICAL DATA

Minimum roof pitch*	17.5° at 100 mm headlap 22.5° at 75 mm headlap*
Minimum headlap	75 mm
Maximum gauge	345 mm
Overall length	420 mm
Overall width	330 mm
Cover width	300 mm
Coverage at maximum gauge	9.7 tiles/m <sup>2</sup>
Weight per 1000 tiles	5 tonnes
Laid weight (at 345 mm gauge)	48.7 kg/m <sup>2</sup>
Pallet quantity	180
Batten sizes	38 x 25 mm (rafter centres up to 450 mm) 50 x 25 mm (rafter centres up to 600 mm)
Tile nails	50 x 3.35 mm aluminium clout head
Tile, eaves & verge clips	Stainless steel

\*For roof pitches below 22.5° and rafter lengths over 6 metres, please refer to our 'Constructing a Low pitch underlay system'.

**Note:** Flat Tiles should be laid in a broken (half) bond pattern and Mock Bond versions in a quarter/three quarter bond pattern.

# DR TILE

## COLOURS

Black  
Anthracite  
Grey

New Brown  
Terracotta  
Country Red



This latest addition to the Condron roof tile range offers the beauty of a traditional tile profile combined with modern design and technical expertise. Available in a choice of 6 distinctive Condron colours and suitable for 0 roof pitches down to 22.5°.

### Fittings and accessories Verge

Left hand verge tile  
Dry verge - Plastic Uni-click system  
Continuous dry verge system

### Ridges

Half Round ridge  
Universal Ornamental ridges

### Hip

Half Round ridge  
Universal Ornamental ridges

### Valley

GRP dry & bedded  
Lead

### Ventilation

Dry ridge and hip systems  
Over-fascia ventilation system  
Tile ventilators

### Fixings

Nails, tile, eaves and verge clips

## TECHNICAL DATA

Minimum roof pitch*	17.5° at 100 mm headlap 22.5° at 75 mm headlap*
Minimum headlap	75 mm
Maximum gauge	345 mm
Overall length	420 mm
Overall width	330 mm
Cover width	300 mm
Coverage at maximum gauge	9.7 tiles/m <sup>2</sup>
Weight per 1000 tiles	4.5 tonnes
Laid weight (at 345 mm gauge)	43.7 kg/m <sup>2</sup>
Pallet quantity	240
Batten sizes	38 x 25 mm (rafter centres up to 450 mm) 50 x 25 mm (rafter centres up to 600 mm)
Tile nails	65 x 3.75 mm aluminium clout head
Tile, eaves & verge clips	Stainless steel

\*For roof pitches below 22.5° and rafter lengths over 6 metres, please refer to our 'Constructing a Low pitch underlay system'.

# PANTILE

## COLOURS

Black  
Anthracite  
Grey

New Brown  
Terracotta  
Country Red



The Condron Pantile offers the beauty of a traditional tile profile combined with modern design and technical expertise. Available in a choice of 6 distinctive Condron colours and suitable for roof pitches 0 down to 17.5°.

### Fittings and accessories Verge

Left hand verge tile  
Dry verge - Plastic Uni-click system  
Continuous dry verge system

### Ridges

Half Round ridge  
Universal Ornamental ridges

### Hip

Half Round ridge  
Universal Ornamental ridges

### Valley

GRP dry & bedded  
Lead

### Ventilation

Dry ridge and hip systems  
Over-fascia ventilation system  
Tile ventilators

### Fixings

Nails, tile, eaves and verge clips

## TECHNICAL DATA

Minimum roof pitch*	17.5° at 100 mm headlap 22.5° at 75 mm headlap*
Minimum headlap	75 mm
Maximum gauge	345 mm
Overall length	420 mm
Overall width	330 mm
Cover width	300 mm
Coverage at maximum gauge	9.7 tiles/m <sup>2</sup>
Weight per 1000 tiles	4.5 tonnes
Laid weight (at 345 mm gauge)	43.7 kg/m <sup>2</sup>
Pallet quantity	240
Batten sizes	38 x 25 mm (rafter centres up to 450 mm) 50 x 25 mm (rafter centres up to 600 mm)
Tile nails	75 x 3.75 mm aluminium clout head
Tile, eaves & verge clips	Stainless steel

\*For roof pitches below 22.5° and rafter lengths over 6 metres, please refer to our 'Constructing a Low pitch underlay system'.

# LOW PICH PANTILE

## COLOURS

Black  
Anthracite  
Grey

New Brown  
Terracotta  
Country Red



The Condron Low Pitch Pantile offers the beauty of a traditional tile profile combined with modern design and technical expertise and is ideal for domestic low pitch extensions. Available in a choice of 6 distinctive Condron colours and suitable for roof pitches down to 12.5°.

### Fittings and accessories Verge

Left hand verge tile  
Dry verge - Plastic Uni-click system  
Continuous dry verge system

### Ridges

Half Round ridge  
Universal Ornamental ridges

### Hip

Half Round ridge  
Universal Ornamental ridges

### Valley

GRP dry & bedded  
Lead

### Ventilation

Dry ridge and hip systems  
Over-fascia ventilation system  
Tile ventilators

### Fixings

Nails, tile, eaves and verge clips

## TECHNICAL DATA

Minimum roof pitch*	12.5° at 100 mm headlap
	22.5° at 75 mm headlap*
Minimum headlap	75 mm
Maximum gauge	345 mm
Overall length	420 mm
Overall width	330 mm
Cover width	300 mm
Coverage at maximum gauge	9.7 tiles/m <sup>2</sup>
Weight per 1000 tiles	4.5 tonnes
Laid weight (at 345 mm gauge)	43.7 kg/m <sup>2</sup>
Pallet quantity	240
Batten sizes	38 x 25 mm (rafter centres up to 450 mm)
	50 x 25 mm (rafter centres up to 600 mm)
Tile nails	75 x 3.75 mm aluminium clout head
Tile, eaves & verge clips	Stainless steel

\*For roof pitches below 22.5° and rafter lengths over 6 metres, please refer to our 'Constructing a Low pitch underlay system'.

**Note:** It is recommended that for rafter pitches below 17.5° the rafter length be no longer than 4.0 metres and water from higher roofs must not shed onto lower roofs; eg from valleys, abutments or gutter down pipes. For roof pitches below 22.5° and/or rafter lengths over 6 metres, please refer to our 'Constructing a waterproof underlay system' guide and video guide.

# 'M' PROFILE TILE

## COLOURS

Black  
Anthracite  
Grey

New Brown  
Terracotta  
Country Red



The Condron 'M' Profile Tile offers the classic 'low profile' appearance in a large format concrete tile. Suitable for roof pitches down to 17.5°. 'M' Profile is ideal for domestic low pitch extension roofs. Available in a choice of 6 distinctive Condron colours.

### Fittings and accessories Verge

Left hand verge tile  
Dry verge - Plastic Uni-click system  
Continuous dry verge system

### Ridges

Half Round ridge  
Universal Ornamental ridges

### Hip

Half Round ridge  
Universal Ornamental ridges

### Valley

GRP dry & bedded  
Lead

### Ventilation

Dry ridge and hip systems  
Over-fascia ventilation system  
Tile ventilators

### Fixings

Nails, tile, eaves and verge clips

## TECHNICAL DATA

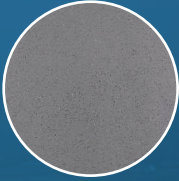
Minimum roof pitch*	17.5° at 100 mm headlap
	22.5° at 75 mm headlap*
Minimum headlap	75 mm
Maximum gauge	345 mm
Overall length	420 mm
Overall width	330 mm
Cover width	300 mm
Coverage at maximum gauge	9.7 tiles/m <sup>2</sup>
Weight per 1000 tiles	4.8 tonnes
Laid weight (at 345 mm gauge)	46.8 kg/m <sup>2</sup>
Pallet quantity	240
Batten sizes	38 x 25 mm (rafter centres up to 450 mm)
	50 x 25 mm (rafter centres up to 600 mm)
Tile nails	50 x 3.35 mm aluminium clout head
Tile, eaves & verge clips	Stainless steel

\*For roof pitches below 22.5° and rafter lengths over 6 metres, please refer to our 'Constructing a Low pitch underlay system'.

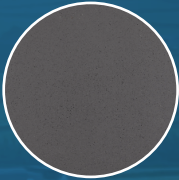
# TILE COLOURS



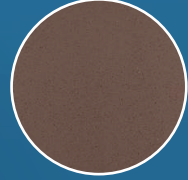
**Black**  
Available in all tiles



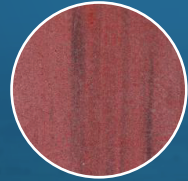
**Grey**  
Available in all tiles



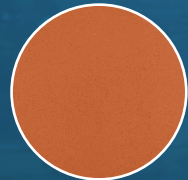
**Anthracite**  
Available in all tiles



**New Brown**  
Available in all tiles



**Country Red**  
Available in all tiles

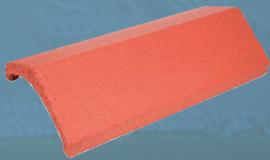


**Terracotta**  
Available in all tiles

Minor shade and colour variations may occur between batches of tiles. Therefore, we recommend that tiles are mixed from at least 3 pallets on site. The colours shown here are only as accurate as allowed for by the printing process. Product samples are available on request.

Note that under the influence of natural weathering, changes in surface colour and appearance will occur, resulting in a patchy roof. Black colour in particular tends to fade sooner than other colours, giving a chequered effect.

# RIDGE PROFILE



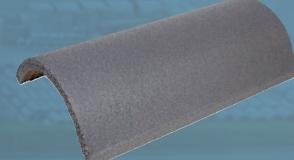
**Universal Concrete  
Angle Ridge**

Suitable for roof pitches  
up to approx 37°  
Pallet quantity: 100



**High Pitch Concrete  
Angle Ridge**

Suitable for roof pitches  
approx 37° to 50°  
Pallet quantity: 100



**Half Round Concrete  
Ridge**

Suitable for roof pitches  
up to approx 55°  
Pallet quantity: 100

All ridge profiles are also available in Gable and Hip Stop End versions.

# TECHNICAL SERVICES

## QUANTITY ESTIMATING

For a detailed roof material quantity schedule, please contact your local Condron sales representation.

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CAD details are available for all our tiles and common roof details. For bespoke details, please contact our Technical Support team.

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All tiles, fittings and accessories should be installed in accordance with Condron technical data and BS 5534: British Standard Code of practice for slating and tiling and BS 8000-6: British Standard Code of practice for workmanship on building sites.

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All tiles, fittings and accessories should be fixed in accordance with BS 5534: British Standard Code of practice for slating and tiling.  
For all projects, please contact Condron Technical Support for a detailed roof tile fixing specification.

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Adequate provision to prevent potentially harmful roof space condensation must be provided. This can be achieved by following the guidance in BS 5250, through a combination of measures, including low and high-level ventilation, vapour permeable or air and vapour underlays and well-sealed ceilings as defined in BS 9250. Contact Condron technical Support for further information.

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Efflorescence occurs naturally on concrete products. Installing low and high-level roof-space ventilation when using air and vapour underlays will help to dissipate water vapour entering the batten cavity (the space between the tiles and underlay) and minimise the risk of efflorescence forming on the undersides of the tiles. At eaves, install Condron OFV Over Fascia Ventilation system. At ridge, install Condron Dry Ventilated Ridge system, ensuring that the underlay is set back from the ridge apex by at least 30mm each side to allow a free flow of air out from the roof space. For further information on installing Condron ventilation systems, go to our website at [www.condronconcrete.ie](http://www.condronconcrete.ie) In addition, consider providing batten cavity ventilation at low through to high level, combined with 25mm deep counter battens to remove water vapour which enters the batten cavity. For further information, click here for our comprehensive video on 'How to reduce the risk of roof tile efflorescence'.

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For all sales and pricing enquiries, please contact:

**D TOMASELLI Ltd:**  
07896 607 617  
[derektomaselli@gmail.com](mailto:derektomaselli@gmail.com)

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**Apsley Smyth:**  
+353 874 364090  
[apsleysmyth@btinternet.com](mailto:apsleysmyth@btinternet.com)

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For assistance with quantity estimating, fixing specifications, technical details and general technical support, please contact:

**John Mercer:**  
07948 617 131  
[john.mercerconsultant@gmail.com](mailto:john.mercerconsultant@gmail.com)

For further information on our range of products and installation guides, please contact us or visit

**[www.condronconcrete.ie](http://www.condronconcrete.ie)**

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Condron Concrete is continually innovating and improving its products and services. Therefore, we reserve the right to change product specifications without notice. Please contact us for the latest information or visit [www.condronconcrete.ie](http://www.condronconcrete.ie)

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