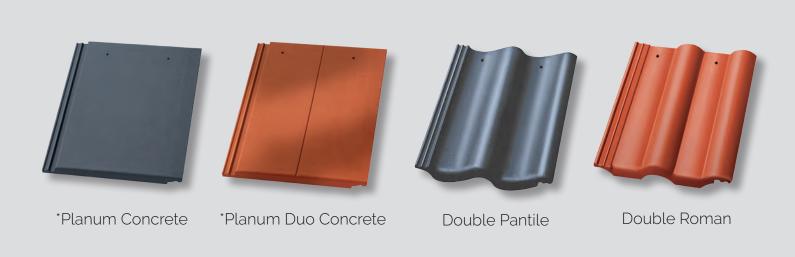


High quality micro concrete roof tiles for every type of project.



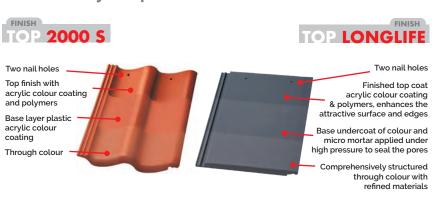
Why choose McCann concrete roofing tiles?

An energy conscious production processes as well as a recycling concept, enhances our contribution towards a clean environment. Nelskamp concrete tiles are produced according to DIN EN 490/491 and DIN18338. The deep side interlock provides optimal protection against wind driven rain, snow and dust particles.



Their popularity is not simply due to their quality and "pore free" edges, but also the variety of colours and profiles available when choosing a concrete roof tile. They are the preferred choice for the discerning specifier, with use on a considerable amount of properties across the UK. Our range of concrete roof tiles are specially crafted and engineered by Nelskamp, a leading German manufacturer with six modern production facilities strategically positioned across the country. Nelskamp roof tiles are recognised for their use of high quality robust materials and proven manufacturing techniques. With the most modern production facilities and special preparation treatments, they ensure consistency and long lasting quality.

Revolutionary new protective finish



McCann Nelskamp **Top-2000 S** finish is available on the Double Pantile and Double Roman. It offers a roof tile with micro concrete surface technology giving clean, smooth round trimmed edges. It's high quality and workmanship set new standards for concrete roof tiles. The **Top-LongLife** surface come as standard on the *Planum concrete range, with its ultra smooth flat finish, acrylic colour coating and polymers sealing the tile giving "pore free" edges. All our roof concrete tiles are guaranteed for 30 years, so whatever style and finish you choose, you have complete peace of mind.

Whether looking to replace your existing roof tiles or in search of a beautiful option for a new build, our range is certain to offer you the perfect solution, with each tile carefully crafted to match various building types and environments.

The difference in finish is visible









McCann Nelskamp Top Longlife - with high quality colour and surface treatment, structure with optimal compacted surface and smooth edges.

One of three large concrete roof

tile factories in Germany



For these tests, all types of concrete roof tiles are tested in the open air in the same way and under the same conditions. Half of the roof tile has been immersed in a carbon solution to accelerate ageing and the effects monitored.



concrete tile for every



At first glance some customers think that our McCann *Planum concrete tiles are part of our clay roof tile collection, as the surface and edges are so smooth and well finished! Available in six different colours and with a wide range of fittings. Laid broken bonded, featuring a thin leading edge and covering capacity of 9.8 tiles per m² with a minimum roof pitch of 15°. Nelskamp's micro concrete technology makes them a robust roof tile with minimal breakage. The ultra smooth finish and clean 'pore free' edges ensures all completed roofs look superb, making them the perfect choice for a very cost effective roof.

The *Planum Concrete range available in 6 colours











Dark Brown (404)





Onyx Black (402)



- ► Longlife Concrete Technology ► Ultra Smooth finish ► Min. roof pitch 15°

- ► Only 9.8 tiles per m² ► Clean, Smooth 'Pore Free' Edges

Manufactured to comply with the performance standards of EN490/491 and DIN Plus.

As per European trademark Nr.7287956, filed on 2nd October 2008, the Trademark PLANUM belongs to La Escandella. It is Dachziegelwerke Nelskamp as authorized licensee of the owner allowed to use the mark PLANUM for its concrete product.







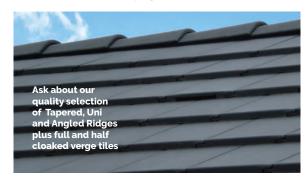
*Planum Concrete flat tile technical details

LENGTH	420mm	WIDTH	332mm
GAUGE	312-340mm	COVER WIDTH (mm)	300mm ± 2.0
MINIMUM ROOF PITCH*	15°	No. OF TILES PER m²	9.8
WEIGHT PER TILE	5.0 kg	WEIGTH PER m² (min)	50 kg
BATTENS PER m² (min)	3 - 3.2	BATTEN SIZE (mm)	50 x 25
FIXINGS CLIPS	EAVES AND TILE CLIPS	NAILS RING SHANK ALUMINIUM ALLOY	45 x 3.35mm
SCREW FIXINGS RECOMMENDED FOR LOW PITCH	4.5 x 45mm	Please Note: Fixing specs may vary due to roof pitch and location	

*For lower roof pitches 15°-22°:

- Counter-batten roof
- Use high quality roofing felt and increase existing overlap by 100mm and tape joints.
- Gauge of the tiles should be increased to a headlap of 100mm.
- Ensure good ventilation.
- · Clipped and laid broken bonded.
- · All areas around the roof perimeter and abutments must be properly finished as well as those around 'roof type' windows.
- * Two stainless steel fixing screws 4.5 x 45mm with a neoprene washer.

For *Planum concrete special roof tiles and accessories see page 7





concrete tile for every type of project.

The *Planum Duo Concrete with its mock bond feature.

Our *Planum Duo Concrete tiles like, the *Planum concrete, are also available in six different colours and with a wide range of fittings. It's thin leading edge and a covering capacity of just 9.8 tiles per m² with a minimum roof pitch of 15° makes installation easy and economical. Laid broken bonded the Duo gives a realistic appearance of a smaller format roof tile while providing all the advantages of a large format concrete tile. The *Planum Duo concrete establishes a new standard for flat tiles, which everyone from architects to roofers will appreciate. It has an ultra smooth flat finish and clean 'pore free' edges make the finished roof look stunning.

The *Planum Duo Concrete range available in 6 colours



Dark Brown (404)













▶ Only 9.8 tiles per m² ► Clean, Smooth 'Pore Free' Edges

Manufactured to comply with the performance standards of EN490/491 and DIN Plus.

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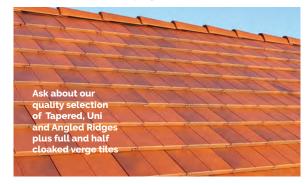
*Planum Duo Concrete flat tile technical details

LENGTH	420mm	WIDTH	332mm
GAUGE	312-340mm	COVER WIDTH (mm)	300mm ± 2.0
MINIMUM ROOF PITCH*	15°	No. OF TILES PER m²	9.8
WEIGHT PER TILE	5.0 kg	WEIGTH PER m² (min)	50 kg
BATTENS PER m ² (min)	3 - 3.2	BATTEN SIZE (mm)	50 x 25
FIXINGS CLIPS	EAVES AND TILE CLIPS	NAILS RING SHANK ALUMINIUM ALLOY	45 x 3.35mm
SCREW FIXINGS RECOMMENDED FOR LOW PITCH	4.5 × 45mm	Please Note: Fixing specs may vary due to roof pitch and location	

*For lower roof pitches 15°-22°:

- Use high quality roofing felt and increase existing overlap by 100mm and tape joints
- Gauge of the tiles should be increased to a headlap of 100mm.
- Ensure good ventilation.
- Clipped and laid broken bonded.
- All areas around the roof perimeter and abutments must be properly finished as well as those around 'roof type' windows.
- Two stainless steel fixing screws 4.5 x 45mm with a neoprene washer.

For *Planum Duo concrete special roof tiles and accessories see page 7



The Double **Pantile** concrete tile

A high quality concrete tile

a double 'S' shaped profile.















Dark Brown (04)





- ► Superior Quality Double Pantile ► Micro Concrete Surface Technology
- ▶ Premium Colour Finish ▶ Cleaner, Smooth Round Trimmed Edges
- ► Only 9.7 tiles per m² ► Range of Colours & Quality Fittings

Manufactured to comply with the performance standards of EN490/491 and DIN Plus







Double Pantile technical details

LENGTH	420mm	WIDTH	332mm
GAUGE	314-345mm	COVER WIDTH (mm)	300mm ± 2.0
MINIMUM ROOF PITCH	15° @100mm headlap	No. OF TILES PER m ²	9.7
WEIGHT PER TILE	4.4 kg	WEIGTH PER m² (min)	44 kg
BATTENS PER m² (min)	3 - 3.2	BATTEN SIZE (mm)	50 X 25 600mm centres
FIXINGS CLIPS	EAVES AND TILE CLIPS	NAILS RING SHANK ALUMINIUM ALLOY	40 x 3.35mm
SCREW FIXINGS RECOMMENDED FOR LOW PITCH	4.5 × 45mm	Please Note: Fixing specs may vary due to roof pitch and location	

*For lower roof pitches 15°-22°:

- Counter-batten roof.
- · Use high quality roofing felt and increase existing overlap by 100mm and tape joints
- Gauge of the tiles should be increased to a headlap of 100mm.
- Ensure good ventilation.
- Clipped and laid in-line bonded.
- All areas around the roof perimeter and abutments must be properly finished as well as those around 'roof type' windows.
- Two stainless steel fixing screws 4.5 x 45mm with a neoprene washer.

For Double Pantile special roof tiles and accessories see page 7



The Double Roman concrete tile

A long established Roman design popular in most regions, ideal for any type of project.



The Double Roman is superbly crafted with its classic, timeless shape, and the design is perfectly enhanced by the rounded trimmed edge to enhance the finished roof. With a covering capacity of just 9.7 tiles per m², it makes the Double Roman the perfect choice for a very economical and attractive roof. These tiles are a popular choice, being an attractive stylish roof tile offering fantastic protection against the elements, as well as long lasting and cost effective.

The Double Roman range available in 6 colours















▶ Premium Colour Finish ▶ Cleaner, Smooth Round Trimmed Edges

► Only 9.7 tiles per m² ► Range of Colours & Quality Fittings

Manufactured to comply with the performance standards of EN490/491 and DIN Plus







Double Roman technical details

LENGTH	420mm	WIDTH	340mm
GAUGE	314-345mm	COVER WIDTH (mm)	300mm ± 2.0
MINIMUM ROOF PITCH	15° @100mm headlap	No. OF TILES PER m ²	9.7
WEIGHT PER TILE	4.2 kg	WEIGTH PER m² (min)	42 kg
BATTENS PER m² (min)	3 - 3.2	BATTEN SIZE (mm)	50 x 25
FIXINGS CLIPS	EAVES AND TILE CLIPS	NAILS RING SHANK ALUMINIUM ALLOY	40 x 3.35mm
SCREW FIXINGS RECOMMENDED FOR LOW PITCH	4.5 × 45mm	Please Note: Fixing specs may vary due to roof pitch and location	

*For lower roof pitches 15°-22°:

- · Counter-batten roof
- Use high quality roofing felt and increase existing overlap by 100mm and tape joints.
- Gauge of the tiles should be increased to a headlap of 100mm.
- · Ensure good ventilation
- · Clipped and laid in-line bonded.
- All areas around the roof perimeter and abutments must be properly finished as well as those around 'roof type' windows.
- Two stainless steel fixing screws 4.5 x 45mm with a neoprene washer.

For Double Roman special roof tiles and accessories see page 7



Roof fittings & accessories

**Planum Concrete & Duo (Mansard tiles are made to order)

Standard Tile

Length: ~ 420 mm Variable Gauge: ~ 312 - 340 mm* Covering Width: ~ 300 mm Width: ~ 332 mm Coverage: ~ 9.8 per m² Weight: ~ 5 kg

 Double Roll (left hand verge finishing tile)

 Length: ~ 420 mm
 Variable Gauge: ~ 312 - 340 mm*

 Width: ~ 300 mm
 Covering Width: ~ 300 mm
 Weight: ~ 5.7 kg

Half Double Roll (left hand verge finishing ½ tile) Length: ~ 420 mm Variable Gauge: ~ 312 - 340 mm* Width: ~ 150 mm Covering Width: ~ 150 mm Weight: ~ 3 kg

Half tile (right hand only)

Length: ~ 420 mm Variable Gauge: ~ 312 - 340 mm*
Width: ~ 182 mm Covering Width: ~ 150 mm Weight: ~ 2.5 kg

Left Hand Cloaked Verge Length: ~ 420 mm Head Lap: ~ 90 to 110 mm Width: ~ 332 mm Covering Width: ~ 302 mm Weight: ~ 7.0 kg

Right Hand Cloaked Verge Length: ~ 420 mm Head Lap: ~ 90 to 110 mm

Covering Width: ~ 270 mm

Width: ~ 332 mm Weight: ~ 7.1 kg

Half Left Hand Cloaked Verge

Length: ~ 420 mm Head Lap: ~ 90 to 110 mm Width: ~ 182 mm Covering Width: ~ 152 mm Weight: ~ 4.4 kg

Half Right Hand Cloaked Verge

Length: ~ 420 mm Head Lap: ~ 90 to 110 mm Width: ~ 182 mm Covering Width: ~ 120 mm

External Mansard Tile

Width ~ 332 mm. Covering Width ~ 300 mm Lengths / covering length> is custom made.

Half External Mansard Tile

Width ~ 182 mm. Covering Width ~ 150 mm Lengths / covering length> is custom made.

External Mansard Tile Left Hand Cloaked Verge

Head lap 90 to 110 mm. Width ~ 332 mm. Covering Width ~ 302 mm Lengths / covering length> is made to measure

External Mansard Tile Right Hand Cloaked Verge

Head lap 90 to 110 mm. Width ~ 332 mm. Covering Width ~ 270 mm Lengths / covering length> is made to measure.

Internal Mansard Tile

Width ~ 332 mm. Covering Width ~ 300 mm Lengths / covering length> is custom made.

Half Internal Mansard Tile

Width ~ 182 mm. Covering Width ~ 150 mm Lengths / covering length> is custom made.

Internal Mansard Tile Left Hand Cloaked Verge

Head lap 90 to 110 mm. Width ~ 332 mm. Covering Width ~ 302 mm Lengths / covering length> is made to measure.

Internal Mansard Tile Right Hand Cloaked Verge

Head lap 90 to 110 mm. Width ~ 332 mm. Covering Width ~ 270 mm Lengths / covering length> is made to measure

Ridge & Tile Clips

Tapered Ridge Clip Type 470/77

Available for Tapered Ridge Tile

Universal Eave Clip **Planum Concrete and Duo

Crest Tile Fixing Clip

Double Roman & Double Pantile Ref:436a

**Planum Concrete and Duo Ref: 409/202 Double Roman Ref: 409/001 Double Pantile Ref: 409/002



Angled Ridge Fixing Screw

Stainless Steel Screw 4.5 x 60mm with a neoprene washer (Two stainless steel fixing screws recommended for low pitched roofs) Double Pantile (Mansard tiles are made to order)



Length: ~ 420 mm Variable Gauge: ~ 314 - 345 mm* Width: ~ 332 mm Covering Width: ~ 300 mm Weight: ~ 4.4 kg Coverage: ~ 9.7 per m²



Double Roll (left hand verge finishing tile)

Length: ~ 420 mm Variable Gauge: ~ 314 - 345 mm* Width: ~ 332 mm Covering Width: ~ 332 mm Weight: ~ 4.8 kg



Weight: ~ 2.7 kg



Left Hand Cloaked Verge Length: ~ 420 mm Head Lap: ~ 90 to 110 mm

Width: ~ 332 mm Covering Width: ~ 302 mm Weight: ~ 7.3 kg



Right Hand Cloaked Verge

Length: ~ 420 mm Head Lap: ~ 90 to 110 mm Width: ~ 332 mm Covering Width: ~ 270 mm Weight: ~ 7.3 kg



External Mansard Tile

Width ~ 332 mm. Covering Width ~ 300 mm. Lengths / covering length> is made to measure.



Half External Mansard Tile Width ~ 182 mm. Covering Width ~ 150 mm. Lengths / covering length> is made to measure.



External Mansard Tile Left Hand Cloaked Verge

Head lap 90 to 110 mm.
Width ~ 332 mm. Covering Width ~ 302 mm.
Lengths / covering length> is made to measure



External Mansard Tile Right Hand Cloaked Verge

Head lap 90 to 110 mm. Width ~ 332 mm. Covering Width ~ 270 mm. Lengths / covering length> is made to measure.



Internal Mansard Tile Width ~ 332 mm. Covering Width ~ 300 mm. Lengths / covering length> is custom made.

Half Internal Mansard Tile Width ~ 182 mm. Covering Width ~ 150 mm.



Lengths / covering length> is custom made.

Internal Mansard Tile Left Hand Cloaked Verge



Head lap 90 to 110 mm. Width ~ 332 mm. Covering Width ~ 302 mm

Lengths / covering lengths is made to measure.



Internal Mansard Tile Right Hand Cloaked Verge

Head lap 90 to 110 mm. Width ~ 332 mm. Covering Width ~ 270 mm. Lengths / covering length> is made to measure



Tapered Starter Ridge

Covering Length: ~ 380 mm Weight: ~ 6.6 kg Covering Width: ~ 190 mm



Tapered End Ridge

Covering Length: ~ 430 mm Weight: ~ 6.6 kg Covering Width: ~ 190 mm



Tapered Hip Starter Ridge



3 Way Hip Junction

Weight: ~ 4.8 kg



Roof Vent Tile (6,500 mm²)

Available in all profiles and colours. Roof space ventilation or mechanical extraction. Weight: As per tile profile

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Standard Tile



See our bespoke fittings and special tiles for "Planum Concrete, Double Pantile & Double Roman,

(Please note Mansard tiles are made to order) for further details please call us on 01375 397140

Standard Tile

Double Roman (Mansard tiles are made to order)

Length: ~ 420 mm Covering Length: ~ 314 - 345 mm* Width: ~ 340 mm Covering Width: ~ 300 mm Weight: ~ 4.2 kg Coverage: ~ 9.7 per m²



Double Roll (left hand verge finishing tile)

Length: ~ 420 mm Covering Length: ~ 314 - 345 mm* Width: ~ 340 mm Covering Width: ~ 340 mm Weight: ~ 4.6 kg

Half tile (right hand only) Length: ~ 420 mm Variable Gauge: ~ 314 - 345 mm* Width: ~ 190 mm Covering Width: ~ 150 mm

Weight: ~ 2.7 kg

Weight: ~ 7.0 kg

Left Hand Cloaked Verge Length: ~ 420 mm Head Lap: ~ 90 to 110 mm



Length: ~ 420 mm Head Lap: ~ 90 to 110 mm Covering Width: ~ 270 mm Width: ~ 340 mm Weight: ~ 7.0 kg

Width: ~ 340 mm Covering Width: ~ 310 mm



Half External Mansard Tile Width ~ 190 mm. Covering Width ~ 150 mm. Lengths / covering length> is made to measure.



Head lap 90 to 110 mm. Width ~ 340 mm. Covering Width ~ 310 mm.

External Mansard Tile Right Hand Cloaked Verge Head lap 90 to 110 mm. Width ~ 340 mm. Covering Width ~ 270 mm. Lengths / covering length> is made to measure.



Internal Mansard Tile

Width ~ 340 mm. Covering Width ~ 300 mm. Lengths / covering length> is made to measure.



Half Internal Mansard Tile Width ~ 190 mm. Covering Width ~ 150 mm.

Lengths / covering length> is made to measure.



Internal Mansard Tile Right Hand Cloaked Verge Head lap 90 to 110 mm. Width ~ 340 mm. Covering Width ~ 270 mm. Lengths / covering length> is made to measure.



Uni Ridge

Width: ~ 250 mm

Length: ~ 450 mm Covering Length: ~ 450 mm Covering Width: ~ 210 mm Weight: ~ 4.2 kg Coverage: ~ 2.2 per lin.m



Length: ~ 450 mm Covering Length: ~ 430 mm Weight: ~ 5.5 kg Covering Width: ~ 210 mm



Uni Hip Starter Length: ~ 375 mm Covering Length: ~ 340 mm Weight: ~ 4.5 kg Covering Width: ~ 210 mm



Angled Ridge

Length: ~ 450 mm Covering Length: ~ 450 mm Width: ~ 250 mm Covering Width: ~ 210 mm Weight: ~ 4.3 kg Coverage: ~ 2.2 per lin.m



Tapered Ridge

Angled Block End

Length: ~ 450 mm Covering Length: ~ 400 mm Width: ~ 250 mm Covering Width: ~ 190 mm Weight: ~ 4.8 kg Coverage: ~ 2.5 per lin.m

Length: ~ 450 mm Covering Length: ~ 430 mm Weight: ~ 5.6 kg Covering Width: ~ 210 mm

*All sizes and weights are approx. Tolerances according to DIN EN 1304.

Covering sizes are to be determined on site. Subject to technical changes.

Technical **Support**



experienced professionals.

Customer **Service**



Telephone: 01375 397 140 Opening times: Mon - Fri: 8.00am to 5.00pm

Nelskamp Guarantee



Complete peace of mind with our 30 year guarantee Ask for details.

☆ Head Office:

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Essex

RM175YL



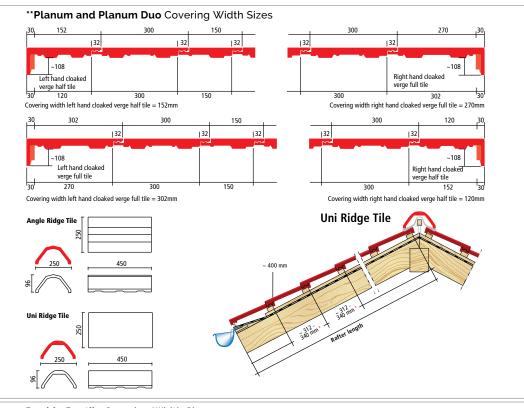


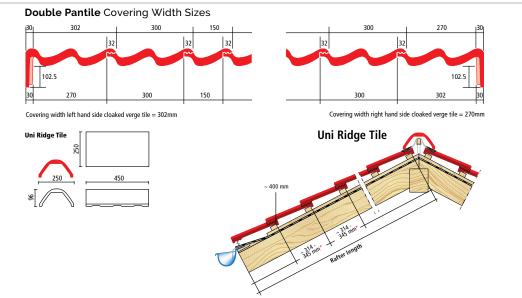


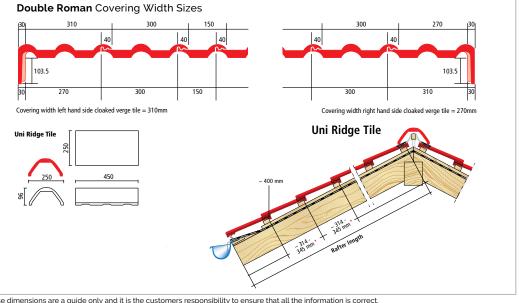




McCann Technical Information







These dimensions are a guide only and it is the customers responsibility to ensure that all the information is correct.

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