Tomorrow’s Design for Today's Roof

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General Roofing Contracts Manager

MAKE THE RIGHT SPECIFICATION
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The Concrete Rooftile

- First concrete roof tiles were handmade in 1940’s by Kroher in Southern Bavaria
- Widely accepted as a preferred roofing product because:
  - Ability to achieve high performance
  - Low cost, long lasting
  - Performs in wide range of climates and roof environments.
The Roof – A Building Element

- An average roof in the UK during a 50 year cycle is:
  - SubJECTED to 20,000 temperature changes
  - SubJECTED to 760,000 gallons of water
  - EXPOSED to 90,000 hours of Sunlight
  - EXPOSED to atmospheric pollution – wind exposure
The Scott Rooftile

- Manufactured since 1964
- Quality
- Choice
- Leading brand
- Polymeric resin finish
- State of Art production facility in Toomebridge
- Environmentally sound production process to ISO 14001 EMS
- All tiles manufactured to BSEN 490 and BSEN ISO 9001
Locally Produced Materials

- Modern Production Facility at Toomebridge
- Sand extracted from Lough Neagh
- Aggregates sourced from local pits

YOUR LOCAL TILE
<table>
<thead>
<tr>
<th>Fixing</th>
<th>TILE CLIPS</th>
<th>TILE NAILS</th>
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</thead>
<tbody>
<tr>
<td>Profile</td>
<td>Gen. Roof Area</td>
<td>Verge Area</td>
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</table>
| Derrie MKII | A/S Tile Clip  
Clip Nail  
60mm x 3.35 mm | A/S Verge Clip  
Clip Nail, Felt Nails | A/S Eave Clip  
Clip Nail  
40mm x 2.65 mm or  
60mm x 3.35 mm | AA  
75 mm x 2.65mm |
| Seville  | A/S Tile Clip  
Clip Nail  
60mm x 3.35 mm | A/S Verge Clip  
Clip Nail, Felt Nails | A/S Eave Clip  
Clip Nail  
40mm x 2.65 mm or  
60mm x 3.35 mm | AA  
90 mm x 2.65mm |
# Product Profiles

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<td>Donard</td>
<td>A/S Tile Clip Clip Nail 60mm x 3.35 mm</td>
<td>S/L Verge Clip Clip Nail, Felt Nails</td>
</tr>
<tr>
<td>Villa Mk II</td>
<td>A/S Tile Clip Clip Nail 60mm x 3.35 mm</td>
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**Galloway Riven/Plain**  *(Minimum Pitch: 22.5°)*

- 40% thinner
- Riven finish offers natural slate appearance;
- Aesthetic appeal of slate with cost benefits;
- Complements purpose made ½ tile;
- Available in black or grey

FIND OUT MORE ON WWW.NORTHSTONE-NI.COM
The Donard  (Minimum Pitch: 17.5°)

➢ Traditional flat profile concrete roof tile

➢ Performs well under wind loading.

➢ Anti-Capillary Features Ideal for NI climate

➢ High quality durable finish

FIND OUT MORE ON WWW.NORTHSTONE-NI.COM
The Seville  *(Minimum Pitch: 17.5°)*

- Bold roll concrete roof tile
- Design characteristics afford good protection in wind blown rain
- Mediterranean style roof tile

FIND OUT MORE ON WWW.NORTHSTONE-NI.COM
The Derrie MK II  (Minimum Pitch: 17.5°)

» Traditional double roll pattern.

» Proven record of performance/durability over 40 years

» Modified from MK I producing enhanced performance

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Accessories

(Available for all Tile Profiles)

- Ornamental Ridge
- Finials
- Roo Verge
- Roo Ridge
- Capped Verge
- Tile Clips/Verge Clips
- Angle Ridge
- Dry Hip System
- In-Line Vent Tile

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Examples of Roof Tile Assembly Application

St Genevieve’s School
Contractor: O’Hare & McGovern Ltd
Architect: Samuel Stevenson & Son

- Derrie Turf Brown Rooftile
- Warm Roof Construction
- Dry Ridge System
- Dry Verge System
Examples of Roof Tile Assembly Application

**Christ the Redeemer School**

Contractor : O’Hanlon Brothers Construction Ltd
Architect : Samuel Stevenson & Son

- Seville Turf Brown
- Cloak Verge
- Dry Ridge System
Examples of Roof Tile Assembly Application

Queens Elms,

Contractor: O’Hare & McGovern Ltd
Architect: Robinson Patterson Partnership/Tate Stevenson Architects

- Slemish/Donard Basalt Grey
- Dry Ventilated Ridge System
- Dry Verge
- Vent Tiles
Examples of Roof Tile Assembly Application

Dungannon South West College

Contractor: O’Hare & McGovern Ltd
Architect: Kennedy Fitzgerald & Associates

- Slemish Black Tile
- Roof Tiles over Kingspan TS 100
- Dry Ridge System
- Dry Verge System
Examples of Roof Tile Assembly Application

Larne Care Centre
Contractor : MSM Contracts Ltd
Architect : Hughes McMichael Ltd

- Galloway Riven Matt Black
- Dry Ventilated Ridge
- Dry Verge
- Fully nailed and clipped
Roofing Services Division

What do we offer the Specifier?

- A specialist consultancy service;
- Advice and guidance on design;
- Skilled and experienced managers and operatives;
- Extensive experience and expertise in roofing;
- Commitment to roofing best practice;
- Innovative roofing solutions;
- Delivery on safety, budget, programme and quality;
- Province wide coverage;
- Also in border counties.

AT YOUR SERVICE
Resources & Services Available to Specifiers

- Consultancy on roofing specification
- Site visits to your project
- Design alternatives and options (Practicality of Products)
- Best Practice Advice – Technical Knowledge
- Scottspec – CD Rom
What Are Customers Say

“The finished roof is of a durable design, is aesthetically sympathetic to the surrounding environment and is low maintenance. During the construction of the roof I was impressed with the diligence and capability of the Northstone fixing squads. The completed roof was first class and it met all aspects of the specification.” **PG Scullion (O’Hanlon Brothers Ltd)**

“The Northstone proposal afforded us the possibility of having a roof tile of the exact size and colour on both the Duo-Pitch and Curved roof areas of the building, something which we imagined would not be possible given the curved area. In the past, plain tiles would have been used as a solution on the curved roof” **Stephen Foster (Farrans Construction)**
What Are Customers Say

“Once on site, Northstone recommended the use of a mechanically fixed dry ridge and cloak verge to provide longevity and secure fixing in crucial areas. The warm roof design at the school also required high levels of co-operation and co-ordination between the trades and Northstone played a critical role in this for us”

Alan Reid (O’Hare & McGovern Ltd)

The roof at the college required the covering of Kingspan TS100 cladded sheeting with the standard Northstone black roof tiles. The Northstone squads were able to design and fit a ridge detail on site and provide invaluable assistance to our team in developing a suitable and functional eave detail.

Eamon Laverty (O’Hare & McGovern Ltd)
Housing Projects
Summary

Architects and Specifiers who specify Northstone for Roofing Contracts are assured of:

- Strict adherence to health & safety standards;
- High levels of expert supervision;
- Directly employed and fully trained roof tiling operatives;
- Superior product knowledge – we make the tiles and we can fit them;
- Innovative roofing solutions
- Prompt and effective post contract responses;
- A quality roof competently and professionally constructed to the precise specifications.
Accreditations

Concrete Division

- ISO 9001
  - UKAS Registered
- Certificate No. EMS 55117
  - ISO 14001 EMS
- Certificate No. FM/28416
  - ISO 9001 QMS
- Kitemark Licence No. KM07701
- Kitemark Licence No. KM28191
- Safetcert
- National Federation of Roofing Contractors Limited (NFRC)