

# Monier™ ROOFING

## PRODUCT TECHNICAL STATEMENT

# CONCRETE HORIZON

### 01. INTRODUCTION

Monier Horizon Concrete Roof Tiles feature a sleek, flat profile, finished with a clean nose delivering streamlined roof lines in a palette of fresh, modern colours. Further technical resources are provided at [monier.co.nz/Technical](http://monier.co.nz/Technical).

### 02. BUILDING CODE COMPLIANCE

Monier Horizon Concrete Roof Tiles conform to the NZBC (New Zealand Building Code) requirements and when installed according to Monier's instructions and NZBC, meet the following provisions:

- NZBC Clause B2 Durability
- NZBC Clause E2 External Moisture

### 03. SCOPE OF USE AND LIMITATIONS

Specific design requirements for Horizon Tiles:

- Minimum roof pitch 25°
- Roof underlay is required in all installations
- Maximum rafter length varies with roof pitch as follows:

Roof Pitch	Max. Rafter Length (m)	Roof Pitch	Max. Rafter Length (m)	Roof Pitch	Max. Rafter Length (m)
25°	4.5	31°	7.5	37°	10.5
26°	5.0	32°	8.0	38°	11.0
27°	5.5	33°	8.5	39°	11.5
28°	6.0	34°	9.0	40°	12.0
29°	6.5	35°	9.5		
30°	7.0	36°	10.0		

Please refer to the Design Guide available at [monier.co.nz/Technical](http://monier.co.nz/Technical) for further information regarding:

- Wind and Terrain Categories
- Rafter and truss spacings and batten requirements
- Batten installing requirements

Concrete Horizon  
in Salt Spray



### 04. CONSENTING INSTRUCTIONS

When consenting, it should be verified that the designer has assessed:

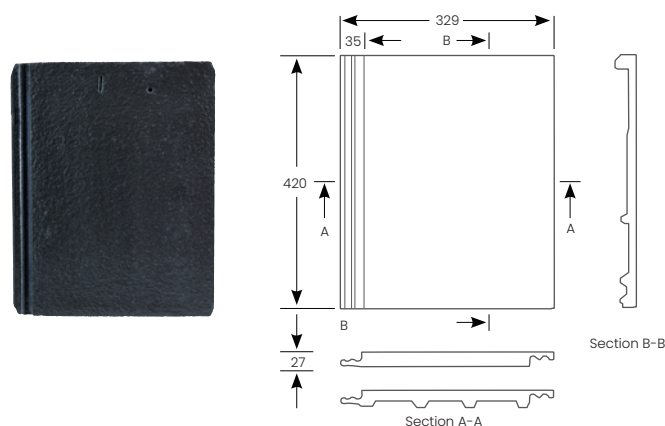
- Fixing and underlay requirements with regard to Wind and Terrain categories
- Batten sizes relative to rafter spacings
- Maximum rafter length for the roof pitch

Detailed guidance is provided in the Design Guide available at [monier.co.nz/Technical](http://monier.co.nz/Technical).

### 05. STANDARDS

Tiles are manufactured to AS 2049 / NZS 4206.

### 06. PRODUCT DETAILS



**Tile coverage (+/- 2%)** Approx. 11 tiles/sqm

**Dimensions (+/- 2%)** Length: 420mm  
Width: 329mm

**Weight (+/- 2%)** Per tile: 5.2kg  
Per m<sup>2</sup>: 57.2kg (100mm lap)

**Head lap adjustment (mm)** Minimum Head lap is 90mm.  
This may increase according to setout, however head lap should not exceed 110mm

**Recommended bonding** Cross bond

**Roof pitch** Minimum with underlay 25°  
HORIZON tiles must use underlay  
Please refer to the Monier Construction Requirements at [monier.co.nz](http://monier.co.nz) for installation requirements applicable to your project

Find out more on [monier.co.nz](http://monier.co.nz)  
or call us on 0800 666 437

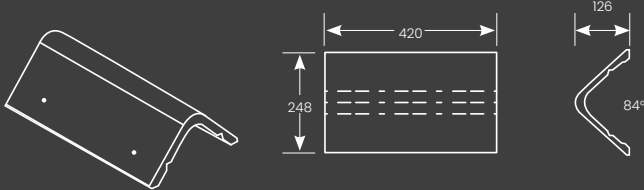
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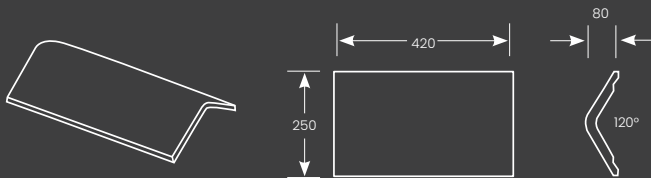
## CONCRETE ACCESSORIES

### PARBARGE



Length (mm)	Width (mm)	Height (mm)	Angle (Degree)	Weight (kg)
420	248	126	84	4.9

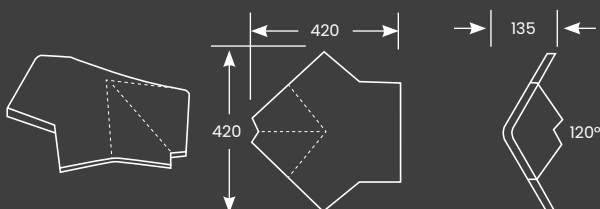
### RIDGE\*



Length (mm)	Width (mm)	Height (mm)	Angle (Degree)	Weight (kg)
420	250	80	120	3.4

\* A-line ridge not available in cyclonic regions.

### 3-WAY APEX (A-LINE & OVERLAPPING)



Length (mm)	Width (mm)	Height (mm)	Angle (Degree)	Weight (kg)
391.7	413.3	135	135	3.8



Concrete Horizon  
in Hapuka

### 07. INSTALLATION

Refer to Monier's website, "Find a Supplier" list of experienced and qualified Roofing Specialists to ensure your tiles are installed professionally and to the appropriate standard.

Further information is provided in the Installation Guide available at [monier.co.nz/Technical](http://monier.co.nz/Technical).

### 08. WARRANTY

Monier Horizon Roof Tiles are structurally guaranteed to perform their function for 50 years and are a low maintenance roof cladding option.



### 09. MAINTENANCE

Caution should be exercised by any persons needing to access the roof once it is installed.

Details regarding access and recommended maintenance are provided at [monier.co.nz/Maintenance](http://monier.co.nz/Maintenance).

### 10. HORIZON COLOUR RANGE\*



BETTER COLOUR PERFORMANCE WITH C-LOC™



\*Some colours are subject to a longer lead time.  
Tile colour may vary from printed brochure.

Find out more on [monier.co.nz](http://monier.co.nz)  
or call us on 0800 666 437

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