

Monier™

SAINT-GOBAIN

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.

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 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:

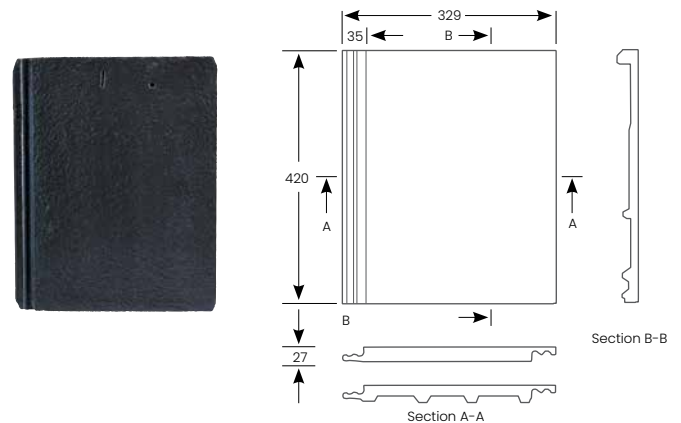
- Fixing and underlay requirements with regard to Wind and Terrain categories
- Batten sizes relative to rafter spacings
- Maximum rafter length for the roof pitch

Detailed guidance is provided in the Design Guide available at monier.co.nz/Technical.

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 ² : 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 for installation requirements applicable to your project

Find out more on monier.co.nz
or call us on 0800 999 277

CSR

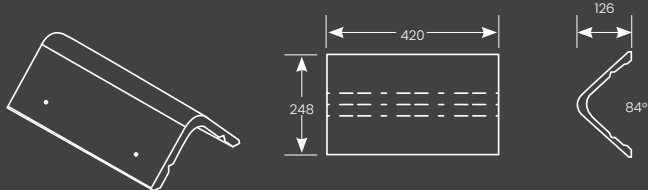
Monier™

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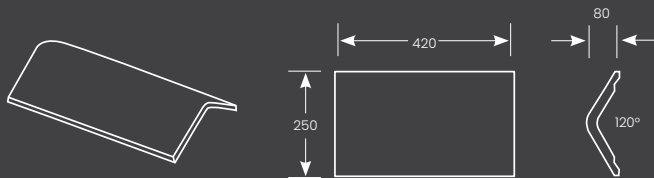
CONCRETE ACCESSORIES

PARBARGE



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

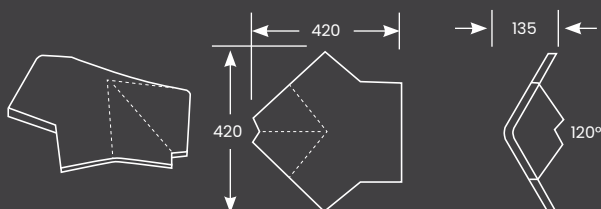
RIDGE*



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.

08. WARRANTY

Monier Horizon Roof Tiles are structurally guaranteed to perform their function for 30 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/roof-cleaning-and-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
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