

## CONCRETE HACIENDA

### 01. INTRODUCTION

Hacienda is a versatile profile that combines traditional good looks with exceptional product performance. The Hacienda profile can complete many different looks such as a Modern, Mediterranean or Traditional style home. Further technical resources are provided at [monier.co.nz/Technical](http://monier.co.nz/Technical)

### 02. BUILDING CODE COMPLIANCE

Monier Hacienda 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 Hacienda Tiles:

- Minimum roof pitch 15°
- Roof underlay is mandatory for any roof:
  - receiving discharge from a spreader,
  - on a skillion roof,
  - on roofs in wind zone Very High or Extra High, or
  - where roof pitch is below 20°;

however highly recommended in all installations.

- Maximum rafter length varies with roof pitch as follows:

#### INSTALLED WITH UNDERLAY

Roof Pitch	Max. Rafter Length (m)	Roof Pitch	Max. Rafter Length (m)	Roof Pitch	Max. Rafter Length (m)
15°	4.5	22°	8.0	29°	11.5
16°	5.0	23°	8.5	30°	12.0
17°	5.5	24°	9.0	31°	12.5
18°	6.0	25°	9.5	32°	13.0
19°	6.5	26°	10.0	33°	13.5
20°	7.0	27°	10.5	34°	14.0
21°	7.5	28°	11.0	35°	14.5

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
- Specific details on when underlay is required
- Rafter and truss spacings and batten requirements
- Batten installing requirements



### 04. CONSENTING INSTRUCTIONS

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

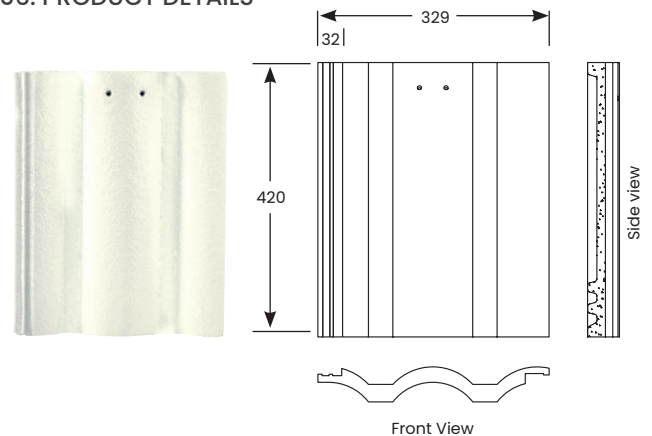
- Fixing and underlay requirements with regard to Wind and Terrain categories
- Batten sizes relative to rafter spacings
- Maximum rafter length for the roof pitch

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: 4.5kg  
Per sqm: 49.5kg (80mm lap)

**Head lap adjustment (mm)**      78 – 125

**Recommended bonding**      Straight Bond

**Roof pitch**      Minimum with underlay 15°  
Minimum without underlay 20°

Please refer to the Monier Construction Requirements at [monier.co.nz](http://monier.co.nz) for installation requirements applicable to your project

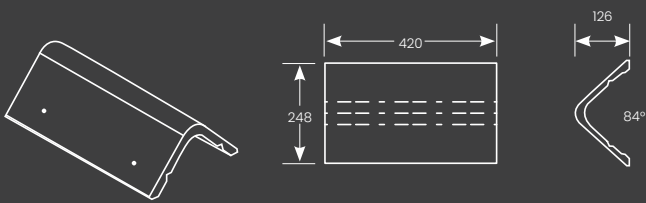
Find out more on [monier.co.nz](http://monier.co.nz)  
or call us on 0800 666 437

# Monier™ ROOFING

PRODUCT TECHNICAL STATEMENT

## CONCRETE ACCESSORIES

### PARBARGE



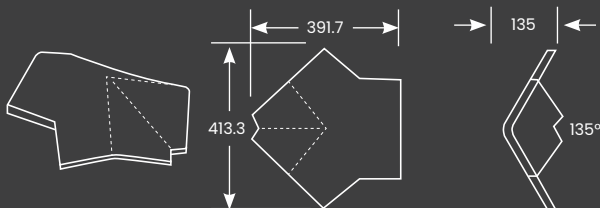
Length (mm)	Width (mm)	Height (mm)	Angle (Degree)	Weight (kg)
420	248	126	84	4.9

### RIDGE



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

### 3-WAY APEX (STANDARD RIDGE)



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

### 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 Hacienda Roof Tiles are structurally guaranteed to perform their function 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. HACIENDA 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)  
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