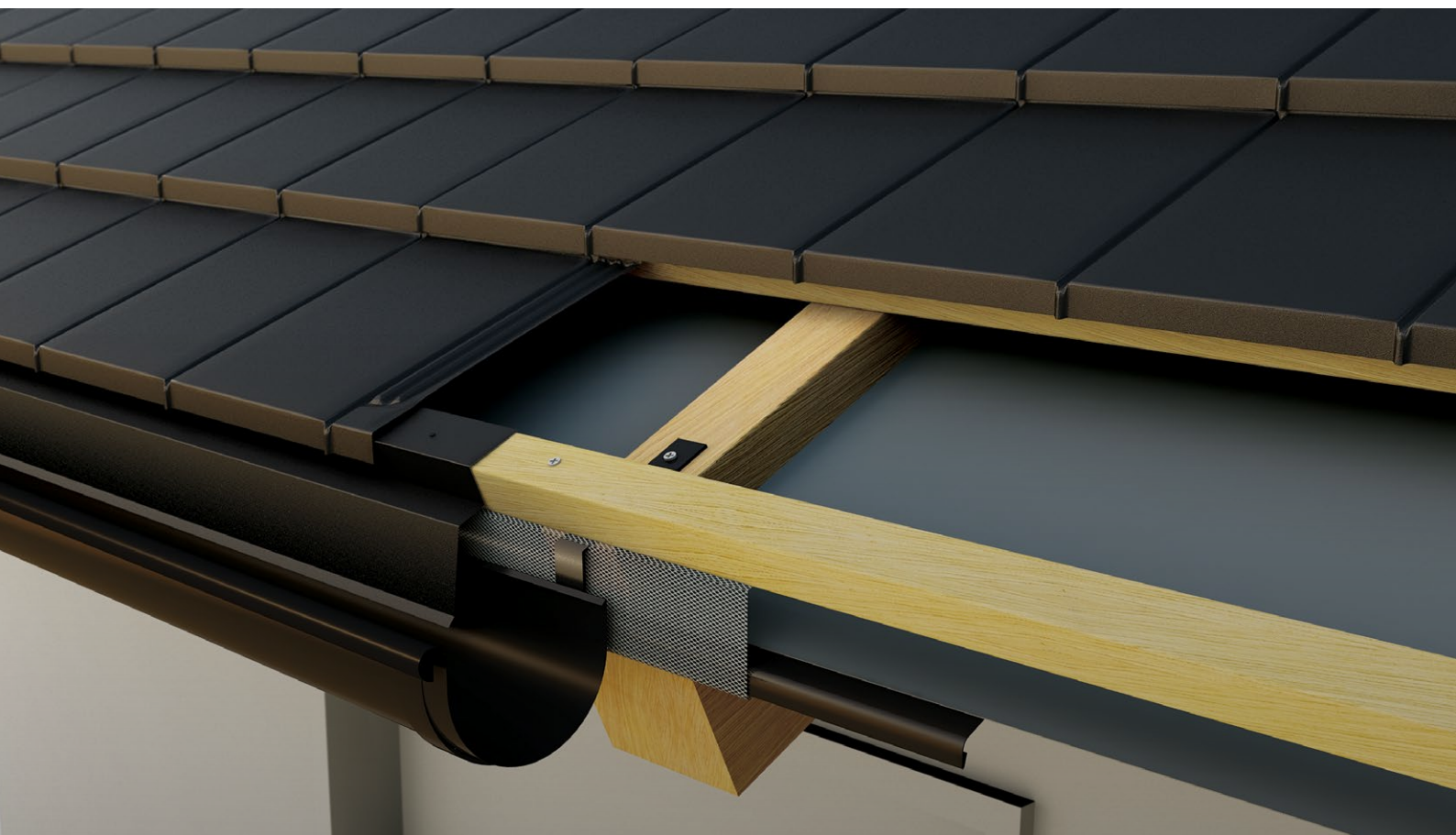


INSTALLATION  
MANUAL

**TWINTILE**





## QUBE / QUBE ACOUSTIC

Length of Tile	Length of Cover	Width of Cover	Minimum Pitch
1305 mm	1260 mm	321 mm	15° (27 %)



## TWIN ACOUSTIC

Length of Tile	Length of Cover	Width of Cover	Minimum Pitch
1470 mm	1400 mm	367 mm	15° (27 %)

### STORAGE

If stored outside, it should be kept in a sheltered place and a well-sealed waterproof cover must be placed over the TWINTILE roofing tiles and accessories to keep them dry and prevent damage.

### NON-STANDARD ELEMENTS

When installing non-standard elements or gutters above the level of the roof, it is strongly recommended that materials that could cause corrosion (e.g. Cu, stainless steel...) are NOT used.

### ROOF TRAFFIC

When moving around the roof, avoid buckling the tiles by placing weight on the balls of the feet, directly over the batten, in the pans of tiles.

### CUTTING WITH A SAW

When cutting tiles with a metal cutting saw (which has been approved by the producer), special (tipped) metal cutting blades should be used. Cutting should be performed with the coated surface facing downwards to reduce the amount of swarf adhering to the coating. Failure to do so will result in rust stains on the tile surface.

### WET SURFACE

For safety reasons it is not recommended to walk or work on the roof when it is wet.

### BATTENS

The recommended counter batten dimension is 50 x 80 mm. The minimum counter batten height is 25 mm.

Tile batten size is 40 x 50 mm (distance between rafters less than 900 mm).

### LOCAL STANDARDS

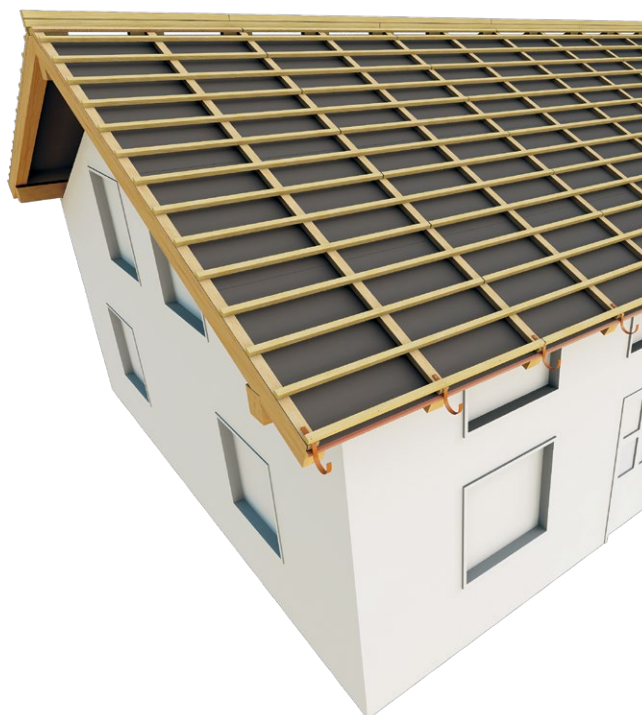
It is strongly recommended that local building standards and regulations are always followed and fully complied with.

### HANDLING

Care should be taken when handling the tiles to avoid damage to the surface. If minor damage does occur, the finishing kit should be used to repair it.

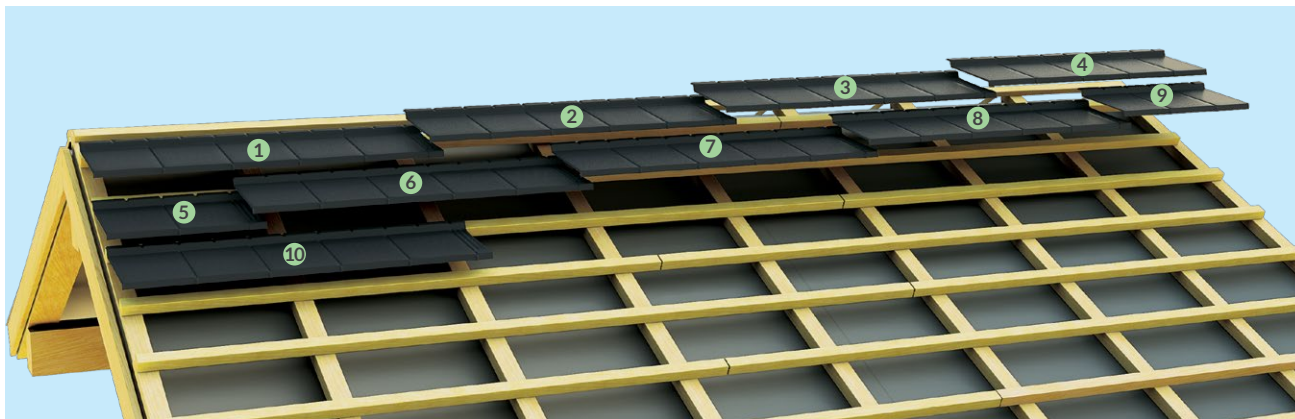


Type of Profile	Batten Spacing - D
QUBE / QUBE ACOUSTIC	321 mm
TWIN ACOUSTIC	367 mm

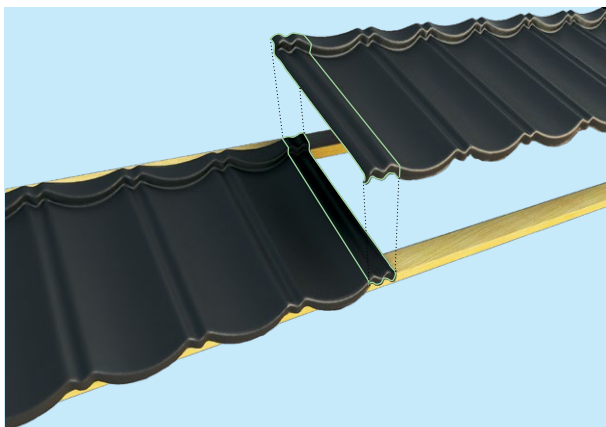
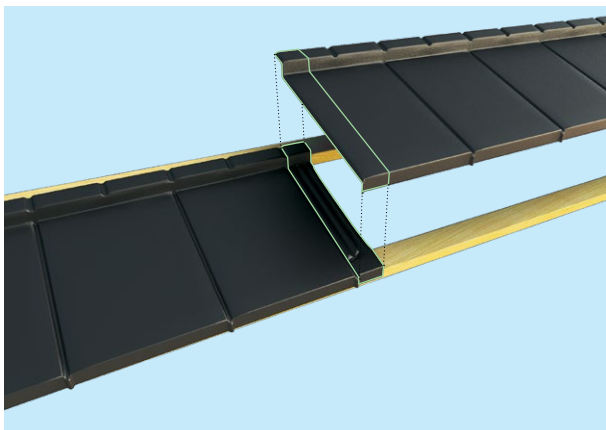




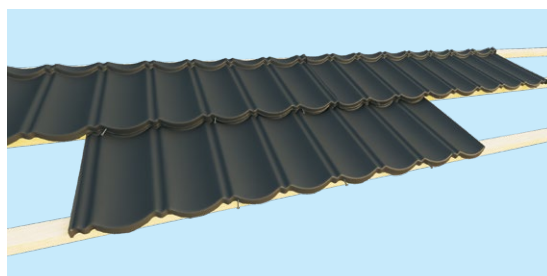
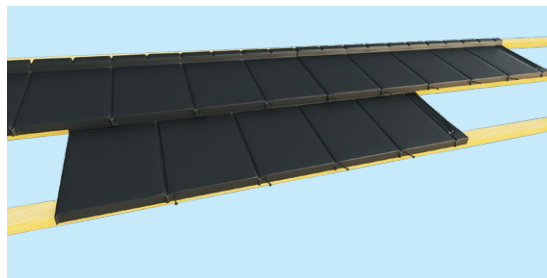
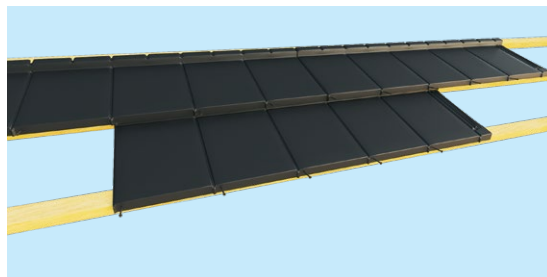
## TILE LAYING



## INTERLOCKING OF THE TILES

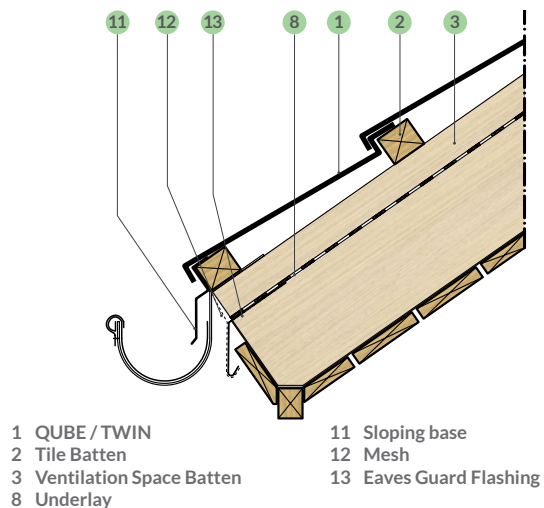
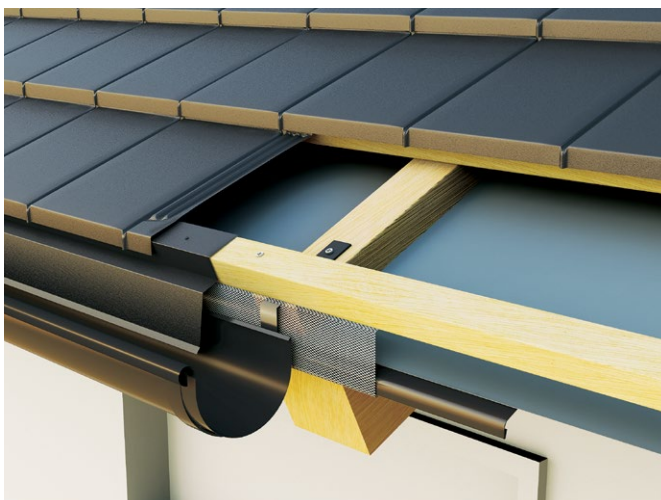


## NAIL POSITIONING

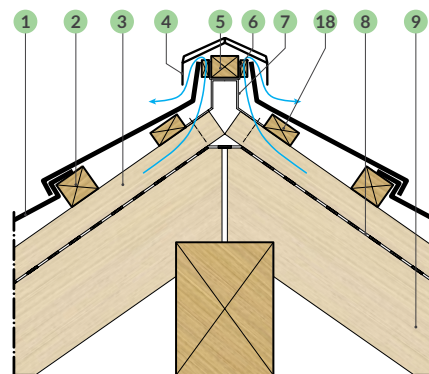
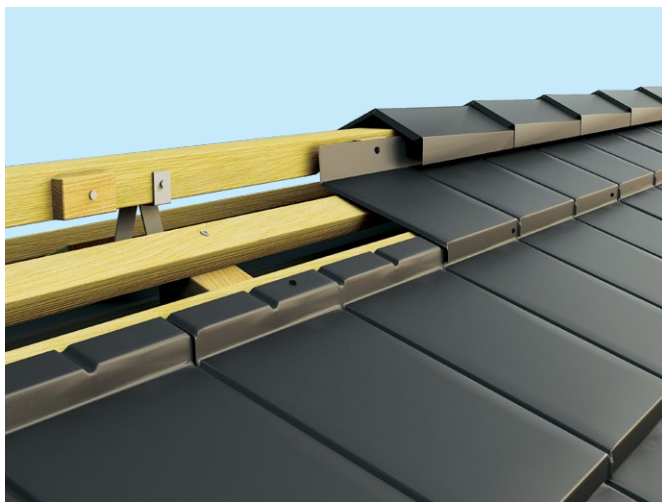


## INSTALLATION DETAILS

### EAVES FLASHING

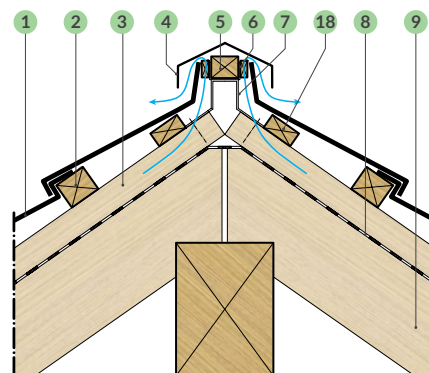
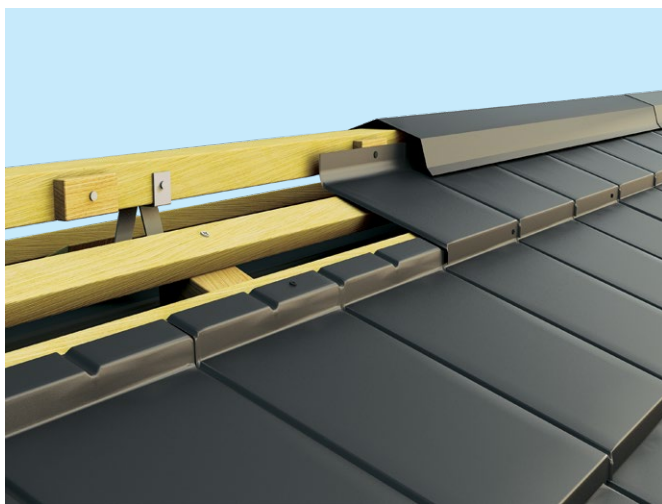


RIDGE  
(BARELLS)



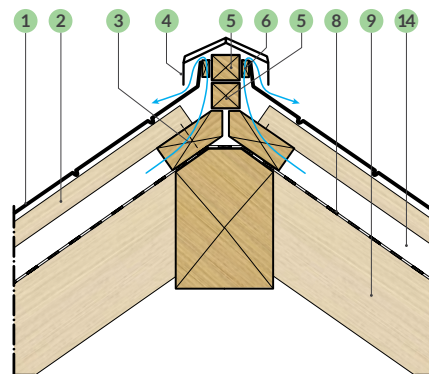
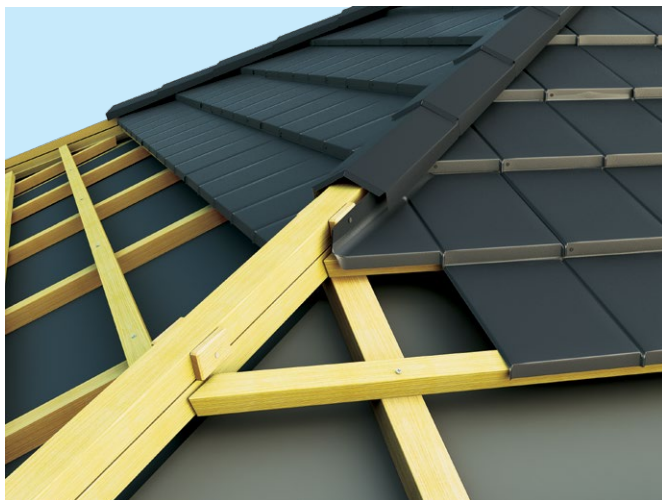
- |                            |                           |
|----------------------------|---------------------------|
| 1 QUBE / TWIN              | 6 Spacer                  |
| 2 Tile Batten              | 7 Ridge Bracket           |
| 3 Ventilation Space Batten | 8 Underlay                |
| 4 Angle Trim               | 9 Rafter                  |
| 5 Ridge Batten             | 18 Thinner Support Batten |

RIDGE  
(LONG V RIDGE)



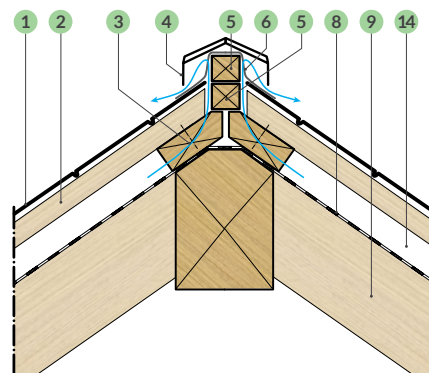
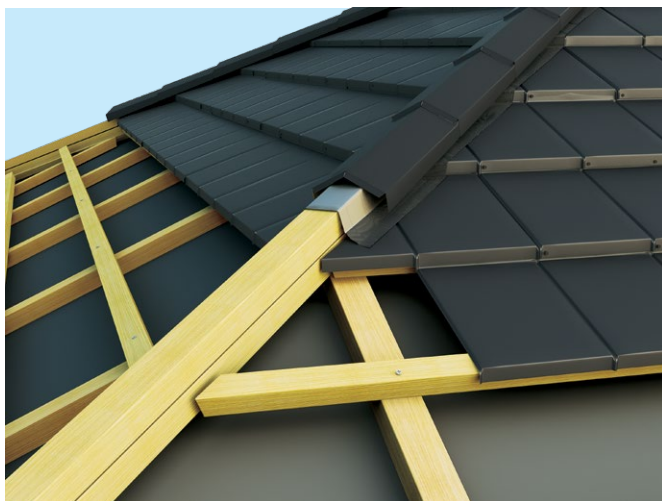
- |                            |                           |
|----------------------------|---------------------------|
| 1 QUBE / TWIN              | 6 Spacer                  |
| 2 Tile Batten              | 7 Ridge Bracket           |
| 3 Ventilation Space Batten | 8 Underlay                |
| 4 Long V Ridge             | 9 Rafter                  |
| 5 Ridge Batten             | 18 Thinner Support Batten |

HIP  
(SPACERS)



- |                            |                      |
|----------------------------|----------------------|
| 1 QUBE / TWIN              | 6 Spacer             |
| 2 Tile Batten              | 8 Underlay           |
| 3 Ventilation Space Batten | 9 Rafter             |
| 4 Angle Trim               | 14 Ventilation Space |
| 5 Ridge Batten             |                      |

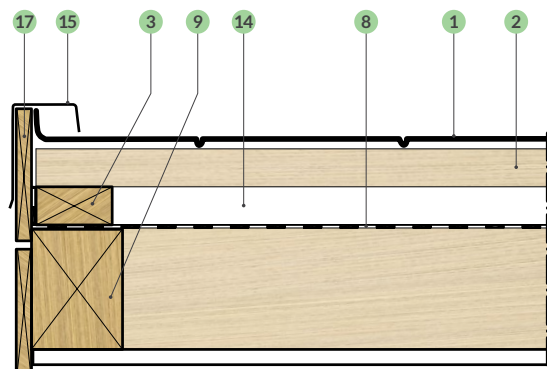
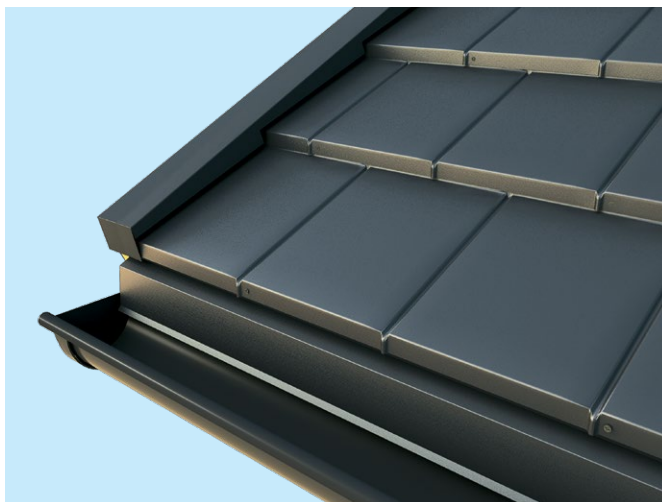
HIP  
(RIDGE ROLL)



- |                            |                      |
|----------------------------|----------------------|
| 1 QUBE / TWIN              | 6 Ridge Roll         |
| 2 Tile Batten              | 8 Underlay           |
| 3 Ventilation Space Batten | 9 Rafter             |
| 4 Angle Trim               | 14 Ventilation Space |
| 5 Ridge Batten             |                      |

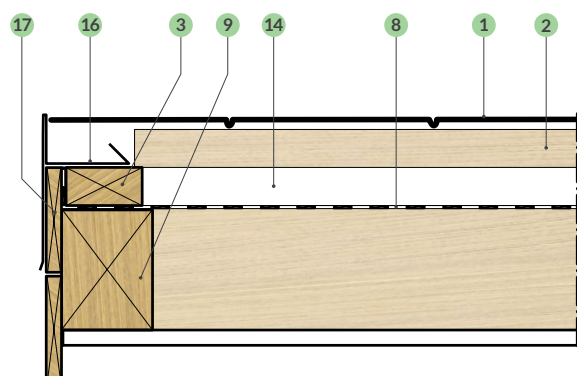
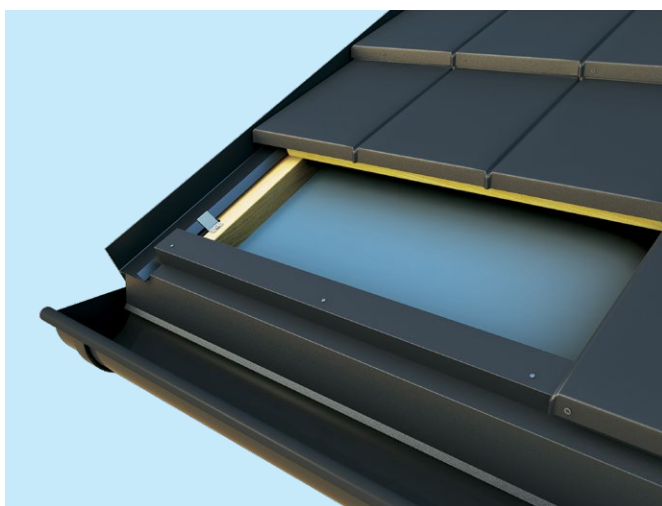


GABLE  
(SCRIBED RIDGE ELEMENT)



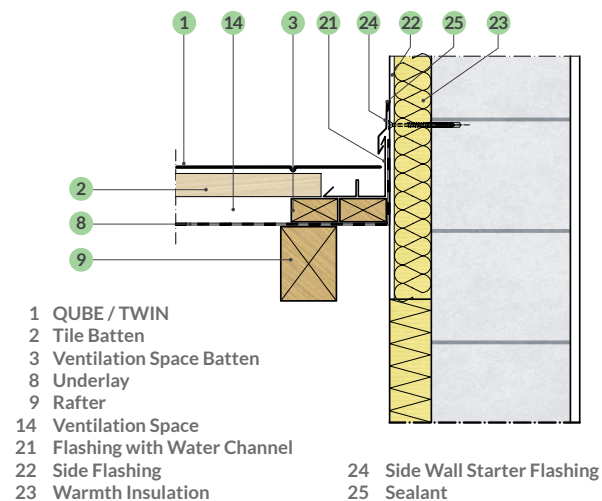
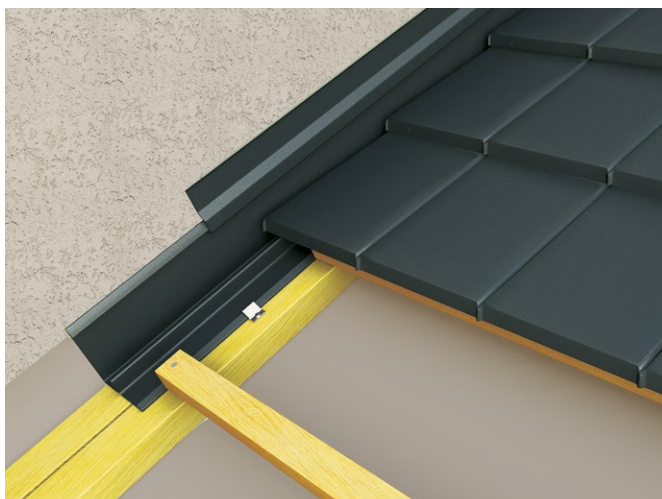
- |                            |                      |
|----------------------------|----------------------|
| 1 QUBE / TWIN              | 9 Rafter             |
| 2 Tile Batten              | 14 Ventilation Space |
| 3 Ventilation Space Batten | 15 Scribed Flashing  |
| 8 Underlay                 | 17 Barge Board       |

GABLE  
(BARGE FLASHING WITH WATER CHANNEL)



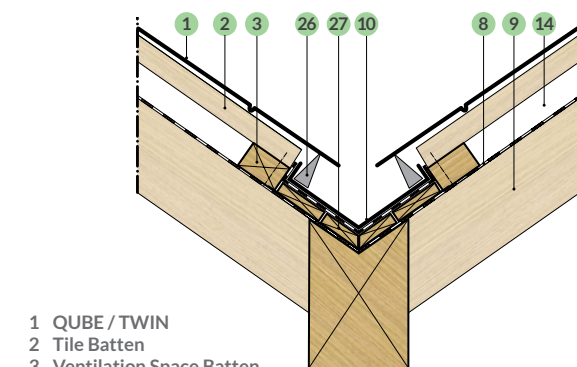
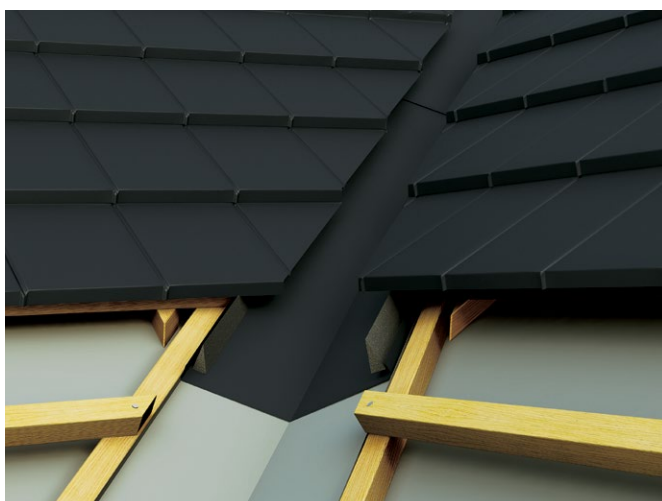
- |                            |                                       |
|----------------------------|---------------------------------------|
| 1 QUBE / TWIN              | 9 Rafter                              |
| 2 Tile Batten              | 14 Ventilation Space                  |
| 3 Ventilation Space Batten | 16 Long Barge Board Cover Countersunk |
| 8 Underlay                 | 17 Barge Board                        |

WALL FLASHING



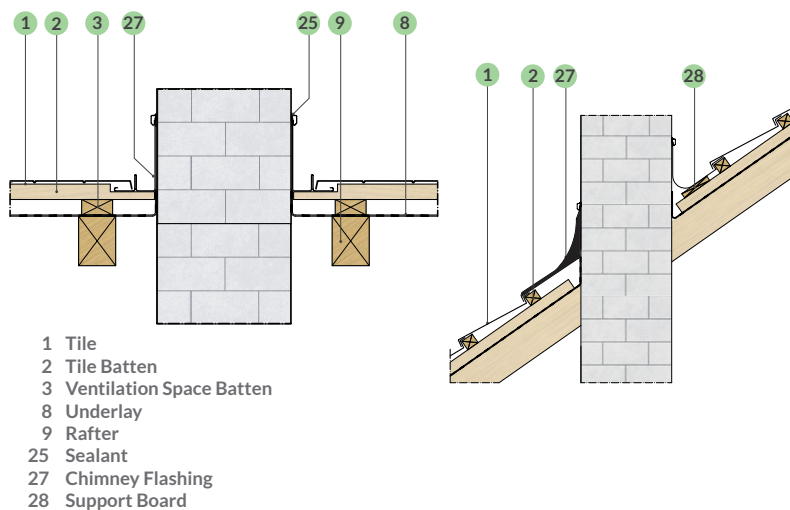
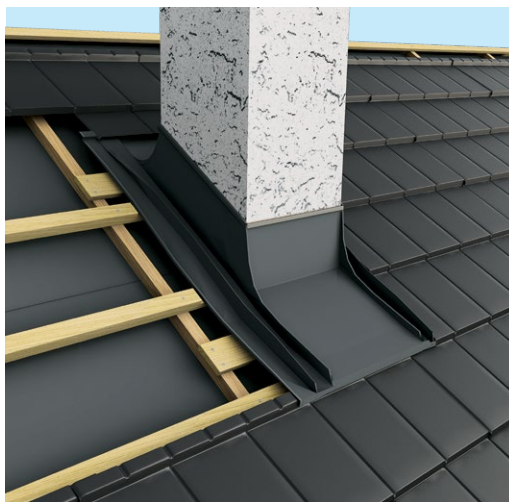
- |                            |                      |                                |                               |
|----------------------------|----------------------|--------------------------------|-------------------------------|
| 1 QUBE / TWIN              | 14 Ventilation Space | 21 Flashing with Water Channel | 24 Side Wall Starter Flashing |
| 2 Tile Batten              | 23 Warmth Insulation | 22 Side Flashing               | 25 Sealant                    |
| 3 Ventilation Space Batten |                      | 8 Underlay                     |                               |
| 8 Underlay                 |                      | 9 Rafter                       |                               |
| 9 Rafter                   |                      |                                |                               |

VALLEY

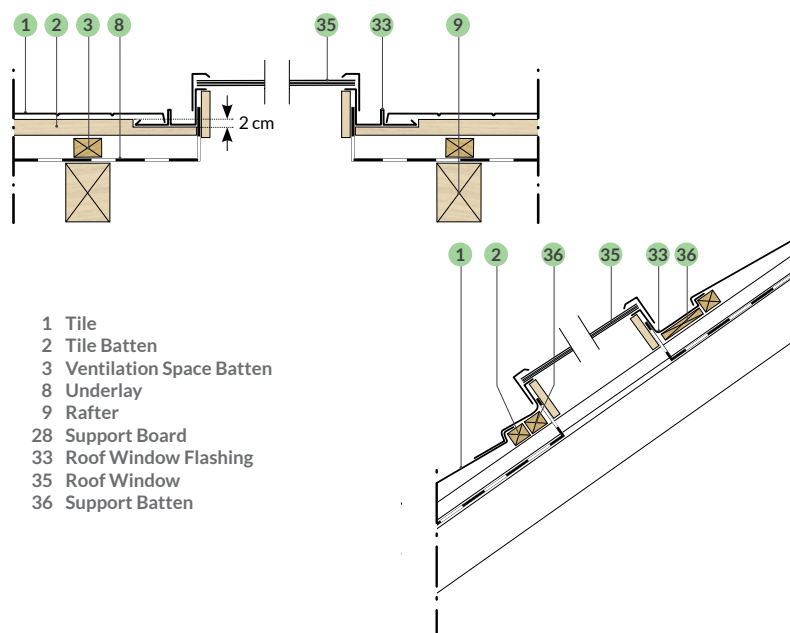
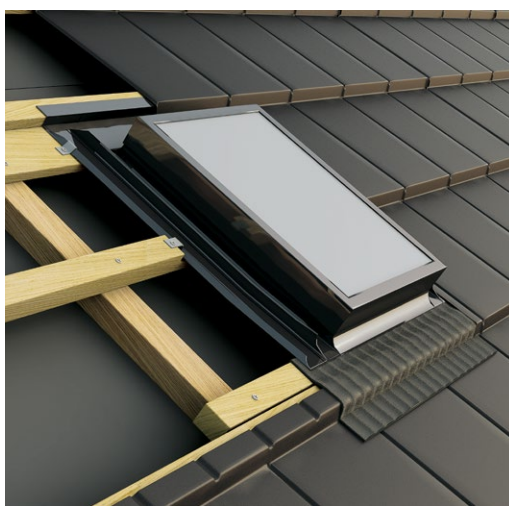


- |                            |                        |
|----------------------------|------------------------|
| 1 QUBE / TWIN              | 8 Underlay             |
| 2 Tile Batten              | 9 Rafter               |
| 3 Ventilation Space Batten | 10 Valley              |
| 8 Underlay                 | 14 Ventilation Space   |
| 9 Rafter                   | 26 Valley Sealing Foam |
| 10 Valley                  | 27 Support Board       |
| 14 Ventilation Space       |                        |
| 26 Valley Sealing Foam     |                        |
| 27 Support Board           |                        |

## CHIMNEY FLASHING



## ROOF WINDOW



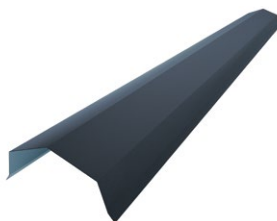
## ACCESSORIES



### Round ridge

Length of cover: 380 mm

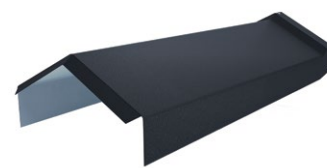
• TWIN ACOUSTIC



### Long V ridge

Length of cover: 1250 mm

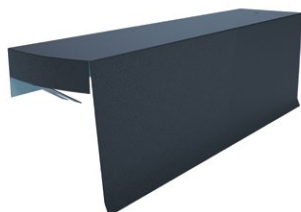
• TWIN ACOUSTIC • QUBE ACOUSTIC • QUBE



### Angle trim

Length of cover: 380 mm

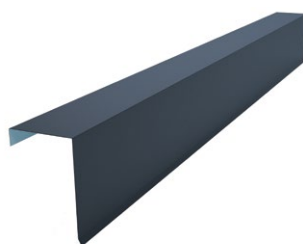
• TWIN ACOUSTIC • QUBE ACOUSTIC • QUBE



### Short side (Left or Right)

Length of cover: 367 mm

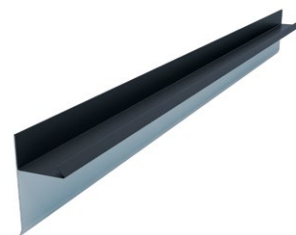
• TWIN ACOUSTIC



### Mono-pitched ridge

Length of cover: 1250 mm

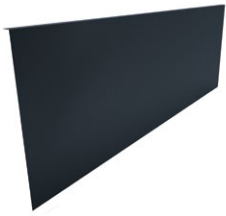
• TWIN ACOUSTIC • QUBE ACOUSTIC • QUBE



### Long barge board cover countersunk

Length of cover: 1250 mm

• QUBE ACOUSTIC • QUBE



### Large sub-ridge

Length of cover: 1300 mm

• TWIN ACOUSTIC • QUBE ACOUSTIC • QUBE



### Small sub-ridge

Length of cover: 1250 mm

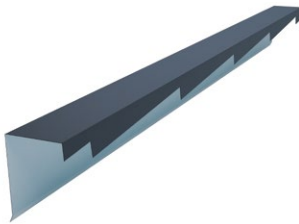
• TWIN ACOUSTIC • QUBE ACOUSTIC • QUBE



### Mini sub-ridge

Length of cover: 1250 mm

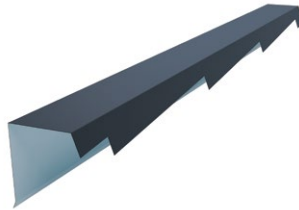
• TWIN ACOUSTIC • QUBE ACOUSTIC • QUBE



### Flashing Left or Right

Length of cover: 1284 mm

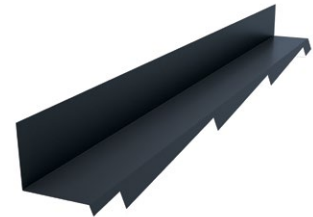
• QUBE ACOUSTIC • QUBE



### Flashing Left or Right

Length of cover: 1101 mm

• TWIN ACOUSTIC



### Side wall flashing scribed (Left or Right)

Length of cover: 1101 mm

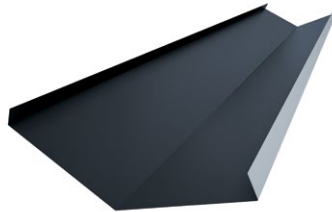
• TWIN ACOUSTIC



### Sloping base/mounting

Length of cover: 1250 mm

• TWIN ACOUSTIC • QUBE ACOUSTIC • QUBE



### Valley gutter

Length of cover: 1300 mm

• TWIN ACOUSTIC • QUBE ACOUSTIC • QUBE



### Transparent tile

Coverage: 0,35 m<sup>2</sup>

• TWIN ACOUSTIC



### Roof vent flange plumbing

Pipe cross-section: 150 x 150 mm

• QUBE ACOUSTIC • QUBE



### Roof ventilation element

Free ventilation area: 75 cm<sup>2</sup>

• TWIN ACOUSTIC • QUBE ACOUSTIC • QUBE



### Snow-stopper

Steel, powder coated

• TWIN ACOUSTIC • QUBE ACOUSTIC • QUBE



### Nails on a reel

325 pcs/pack (2,8 x 50 mm)

• TWIN ACOUSTIC • QUBE ACOUSTIC • QUBE



### Touch-up pen

12 ml

• TWIN ACOUSTIC • QUBE ACOUSTIC • QUBE

# TWINTILE

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