

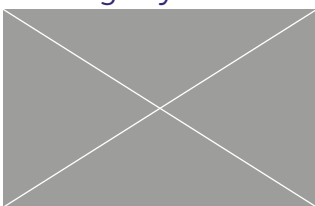
Hardrow Key Information



	18 x 12	18x 18	24 x 18
Overall Length	457mm	457mm	610mm
Hanging Length	407mm	407mm	560mm
Overall Width	305mm	457mm	457mm
Cover Width	311mm	464mm	468mm
Mass (approx.)	4.8kg	7.2kg	10.6kg

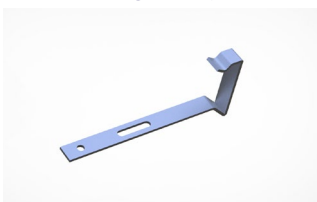
	Pitch	Batten Spacing	Headlap	Side lap	Tiles Per m ²	Batten Per m ²	Mass Per m ²	Nail Size
18 x 12	25°+	191mm max	75mm min	95mm min	17.22/m ²	5.24lm	83kg	40mm x 3.35mm
18 x 18	20°-24.5°	178mm max	102mm min	89mm min	12.3/m ²	5.62lm	88kg	40mm x 3.35mm
	25°+	191mm max	75mm min	75mm min	11.5/m ²	5.24lm	83kg	
24 x 18	17.5°-19.5°	241mm max	127mm min	121mm min	9.07/m ²	4.15lm	96kg	40mm x 3.35mm
	20°-24.5°	255mm max	100mm min	102mm min	8.61/m ²	3.92lm	91kg	
	25°+	267mm max	75mm min	107mm min	8.2/m ²	3.75lm	87kg	

Verge System



Currently Wet Bed Only
Verge Clips available

Verge Clips



Use with mortar bedded verge

Ridge System



Coverage: 6m Pack
Half Round or Uni Angle Ridge (NH) Above 40°
5000mm²/linear metre free vent area
Pitch Limits: Please see dry ridge table.

Tile Clips

Nail Only

Vent Tiles



Air Vent - Vent Tile Only
Soil Vent - Vent Tile, Adaptor,
100mm flexi pipe
7860mm² Free Vent Area
Pitch Limits: 17.5° - 55°

Hip System

Wet Bed Only

Hardrow Product Codes

18 x 12

Tile	Size	Product Code
Main Tile	18 x 12	STR/7963/A001/-- (Solo Colour)
		STR/7966/A001/-- (Duet Colour)
Tile & Half	18 x 18	STR/7963/B001/-- (Solo Colour)
		STR/7966/B001/-- (Duet Colour)
Eaves & Tops	13 x 12	STR/7963/A006/-- (Solo Colour)
		STR/7966/A006/-- (Duet Colour)

18 x 18

Tile	Size	Product Code
Main Tile	18 x 18	STR/7963/B001/-- (Solo Colour)
		STR/7966/B001/-- (Duet Colour)
Tile & Half	18 x 27	STR/7963/B002/-- (Solo Colour)
		STR/7966/B002/-- (Duet Colour)
Eaves & Tops	12 x 18	STR/7963/B006/-- (Solo Colour)
		STR/7966/B006/-- (Duet Colour)

Colour Codes

Solo (7963) Duet (7966)

Oldstone (31)
Yellow (34)
Brown (35)
Light Grey (36)
Dark Grey (37)
Thatch (38)

Barley (21)
Dusk (22)
Twilight (29)

24 x 18

Tile	Size	Product Code
Main Tile	24 x 18	STR/7963/C001/-- (Solo Colour)
		STR/7966/C001/-- (Duet Colour)
Tile & Half	24 x 27	STR/7963/C002/-- (Solo Colour)
		STR/7966/C002/-- (Duet Colour)
Eaves & Tops	18 x 18	STR/7963/C006/-- (Solo Colour)
		STR/7966/C006/-- (Duet Colour)

Hardrow Harmony Colour Mixes

Harmonies	Mix
Symphony	60% Brown, 20% Yellow, 20% Light Grey
Overture	60% Light Grey, 20% Dark Grey, 20% Thatch
Collyweston	55% Light Grey, 40% Yellow, 5% Brown
Cotswold	20% Brown, 40% Light Grey, 30% yellow, 10% Thatch

Hardrow Product Codes

- Hardrow Ridge tiles - 900mm
- LB Ridge Tiles - 450mm
- All Blockends are nailhole

Ridge

Roof Pitch	Ridge Angle - Dry Fix (Nailhole Ridge)		Ridge Angle - Mortar Bedded (Non Nailhole Ridge)	
17.5° to 20°	105°	STR/7975/RD05/--	140°	STR/7975/R045/--
20.5° to 35°	90°	STR/7975/RD40/--	120°	STR/7975/R042/--
35.5° to 40°	70°	STR/7975/RD37/--	105°	STR/7975/R005/--
40.5° to 45°	LB Ridge	BUZ/7935/D516/-- (Half Rnd) BUZ/7935/UD16/-- (Uni Angle)	90°	STR/7975/R040/--
45.5° to 55°	LB Ridge	BUZ/7935/D516/-- (Half Rnd) BUZ/7935/UD16/-- (Uni Angle)	70°	STR/7975/R037/--

Ridge Blockends

Roof Pitch	Ridge Blockend Angel - Dry Fix (Nailhole Ridge)		Ridge Blockend Angel - Mortar Bedded (Nailhole Ridge)	
17.5° to 20°	105°	STR/7975/RBD5/--	140°	STR/7975/RBD4/--
20.5° to 35°	90°	STR/7975/RBD2/--	120°	STR/7975/RBD3/--
35.5° to 40°	70°	STR/7975/RBD1/--	105°	STR/7975/RBD5/--
40.5° to 45°	LB Ridge	BUZ/7940/D524/-- (Half Rnd) BUZ/7940/U524/-- (Uni Angle)	90°	STR/7975/RBD2/--
45.5° to 55°	LB Ridge	BUZ/7940/D524/-- (Half Rnd) BUZ/7940/U524/-- (Uni Angle)	70°	STR/7975/RBD1/--

Dry Ridge Packs

Roof Pitch	Dry Ridge Packs (6m)	Product Code (Grey or Rustic Colours)
17.5° to 20°	105°	STR/7951/DT05/36
20.5° to 35°	90°	STR/7951/DT40/36
35.5° to 40°	70°	STR/7951/DT37/36
Above 40°	LB Ridge Pk	BUZ/7951/GMT5/--

Hardrow Ridge Tiles used on Hips

Roof Pitch	Hardrow Ridge Tile	Code (Non-Nailhole)
17.5° to 20°	140°	STR/7975/R045/--
20.5° to 35°	140°	STR/7975/R045/--
35.5° to 42.5°	120°	STR/7975/R042/--
43° to 50°	105°	STR/7975/R005/--
51° to 60°	90°	STR/7975/R040/--

Concrete Vent Tiles

Hardrow Tile	Air Vent	Soil Vent (inc flexi pipe)
18 x 12	STR/7972/P001/--	STR/7972/P005/--
18 x 18	STR/7972/P002/--	STR/7972/P006/--
18 x 24	STR/7972/P003/--	STR/7972/P007/--

Tile Clips

Clip Type	Product Code
Verge Clips (Pk 50)	BUZ/7960/V253/00
Top Slate Clip (Single)	STR/7961/TC51/00
Repair Clip (Single)	STR/7961/HRRC/00

Misc Plastic

Product	Product Code
Eaves Vent Pack (6m)	BUZ/7955/U5E5/00
Ext Pack (6m)	BUZ/7955/U5E5/00

Plastic Vent Tiles

Hardrow Tile	Air Vent	Soil Vent (inc flexi pipe)
Suitable for:		
18 x12	STR/7951/AV12/37	STR/7951/SV12/37
18x18		

Plastic Vents not suitable for 24x18