

CI/SfB | | (4-) | Rf9 | |
June 2010

Dry fix and ventilation systems

Including **UNIVERSAL** accessories





“

Today's roofs need to be weather-proof and look good, as well as providing adequate ventilation. For you, they also need to be quick and economical to install, and for the building owner they require minimal on-going maintenance but maximum durability and long life.

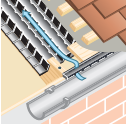
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Contents

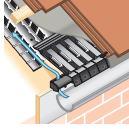
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Eaves vent systems



UNIVERSAL
10mm eaves
vent system
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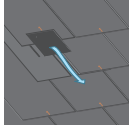


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25mm eaves
vent system
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Roof slope systems



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tile vent
terminal
page 29



Contour and
in-line vents
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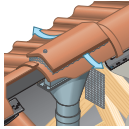


Tile ventilation
terminals
pages 34-35

Ridge vent terminals



Ridge vent
terminals
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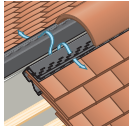


Gas vent
ridge terminal
page 37

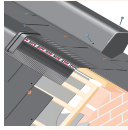
Ventilated dry ridge systems



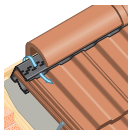
UNIVERSAL
RidgeFast
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Ventilated dry
ridge system
pages 18-19



Fibre cement
slate ridge with
UNIVERSAL
ridge roll
page 21

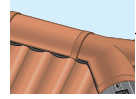


Ventilated
dry mono
ridge system
pages 18-19

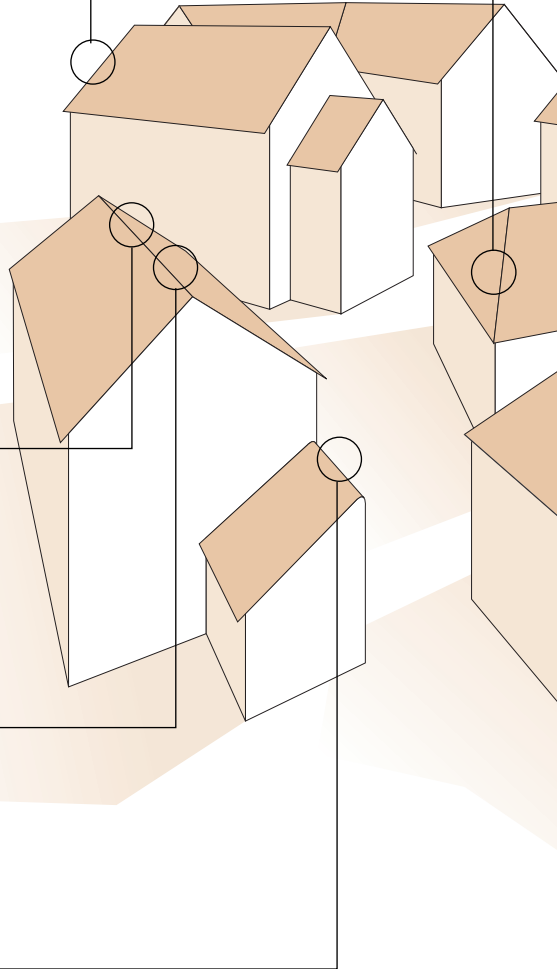
Dry hip systems



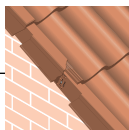
UNIVERSAL
HipFast
pages 22-23



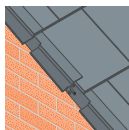
Dry hip system
pages 24-25



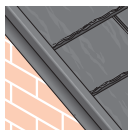
Dry verge systems



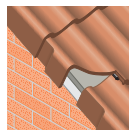
UNIVERSAL
dry verge
system
pages 10-11



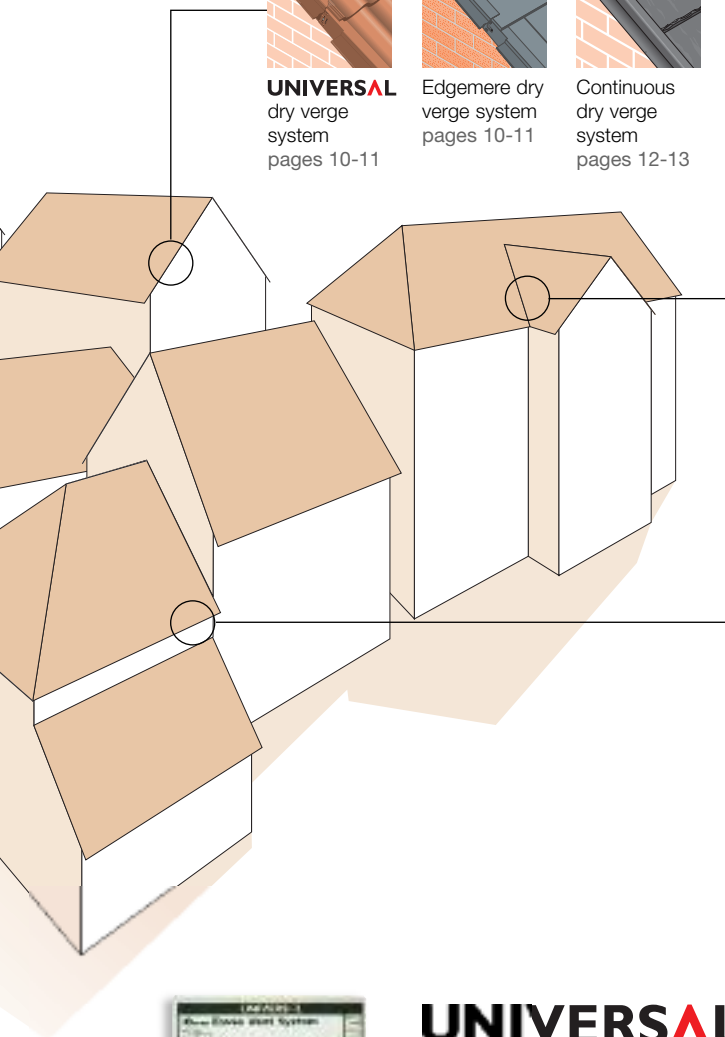
Edgemere dry
verge system
pages 10-11



Continuous
dry verge
system
pages 12-13



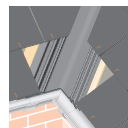
Cloak verges
pages 14-15



Dry valley systems

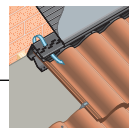


UNIVERSAL
GRP dry valley
pages 26-27



GRP slate dry
valley systems
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Abutments









Top abutment
ventilation system
page 21












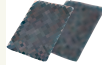
UNIVERSAL

The Universal ranges offer you a 'system in a box' – complete with dry fix and ventilation solutions suitable for all Marley Eternit roofing products and with other manufacturers tiles and slates.

Ventilation & dry fix system selector

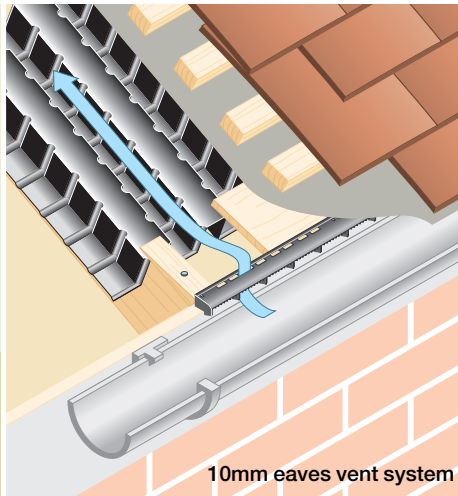
						
Tile	Concrete plain tiles	Clay plain tiles	Fibre cement slates	Edgemere & Duo Edgemere	Melbourn	Sandringham*
UNIVERSAL						
roofing accessories						
10mm eaves vent system	✓	✓	✓	✓	✓	✓
25mm eaves vent system	✓	✓	✓	✓	✓	✓
Dry verge						
HipFast	✓	✓	✓	✓	✓	
RidgeFast	✓	✓	✓	✓	✓	✓
Ridge Roll			✓			✓
Dry valley	✓			✓		
Tile vent				✓		
Dry verge						
Cloak verge system	✓	✓				
Edgemere dry verge				✓		
Continuous dry verge system			✓		✓	
Dry hip						
Dry hip system	✓		✓	✓	✓	
Dry valley						
Plain tile valley	✓	✓				
GRP slate dry valley system			✓		✓	
GRP dry valley (low profile)	✓	✓		✓		
GRP dry valley (high profile)						
Ventilated dry ridge						
Ventilated dry ridge	✓	✓	✓	✓	✓	✓
Ventilated dry mono ridge	✓		✓	✓	✓	✓
Fibre cement ventilated ridges			✓			
Ventilation terminals						
Gas vent ridge terminals	✓	✓		✓	✓	
Ridge vent terminals	✓	✓	✓	✓	✓	✓
In-line vents	✓	✓	✓	✓	✓	✓
Tile vent terminals				✓		✓
Clay ridge ventilators		✓				

* Sandringham and Domino have their own range of fittings ** Modern only

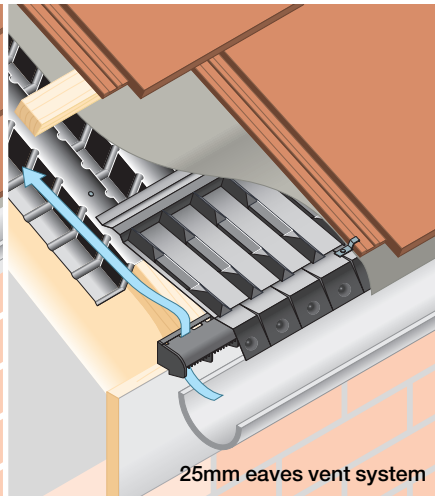
										
	Domino*	Ashmore	Ludlow Plus	Anglia	Double Roman	Ludlow Major	EcoLogic Ludlow Major	Mendip	Wessex	Modern & Duo Modern
	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		✓	✓	✓	✓	✓	✓	✓	✓	✓
		✓	✓	✓	✓	✓	✓	✓	✓	✓
		✓	✓	✓	✓	✓	✓	✓	✓	✓
					✓			✓		✓**
		✓	✓	✓	✓	✓	✓	✓	✓	✓
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				✓	✓			✓	✓	
	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
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	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		✓	✓	✓	✓	✓	✓	✓	✓	✓

UNIVERSAL eaves vent systems

For use with all tiles and slates



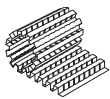
10mm eaves vent system



25mm eaves vent system

Key components

	Code
Universal 10mm eaves vent system (6m pack)	46350
Pack comprises of:	



Eaves rafter roll (6m)

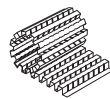


Felt support tray (10 No.)



10mm strip ventilator (6 No.)

	Code
Universal 25mm eaves vent system (6m pack)	46351
Pack comprises of:	



Eaves rafter roll (6m)



Felt support tray (10 No.)



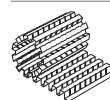
25mm strip ventilator (6 No.)

Also available:



Comb filler strip

30425



Continuous rafter roll pack
(2 No. 6m)

46323

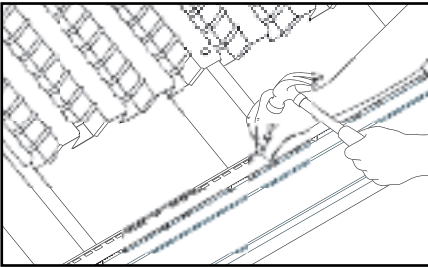
Advantages

- ✓ Can be used with all Marley Eternit and other manufacturer's tiles and slates
- ✓ Simple and fast to install
- ✓ Eaves-to-ridge or eaves-to-eaves ventilation
- ✓ 12.5° - 55° pitched roofs
- ✓ Allows clip fixing of tiles at eaves
- ✓ Compressed insulation ensuring airflow
- ✓ Prevents ponding of water
- ✓ Prevents ingress of birds, vermin and insects

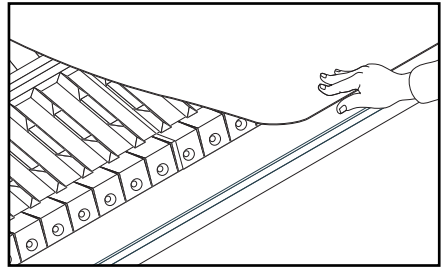
→ More

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tel 01283 722588

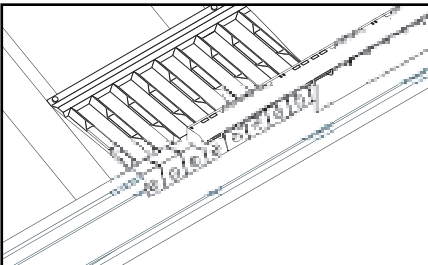
Fixing overview



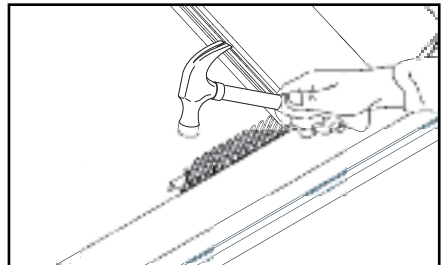
Nailing strip ventilator onto fascia board



Lay underlay over felt support tray



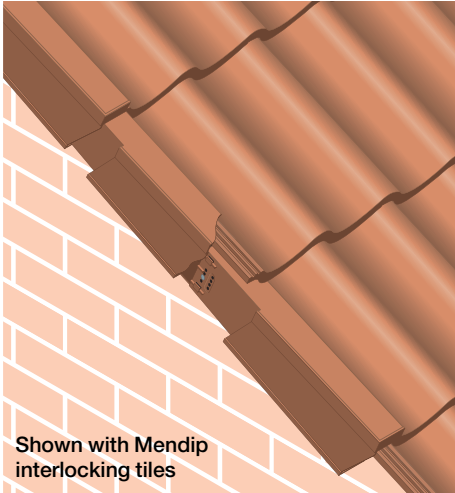
Underlay draped over support tray



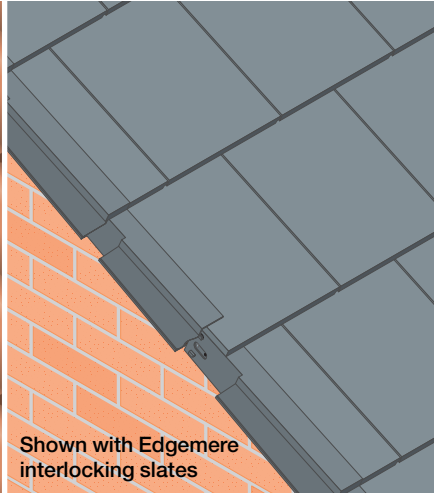
When using profiled tiles, fix comb filler strip to fascia

UNIVERSAL dry verge systems

For use with large format interlocking tiles including: Double Roman, Edgemere, Duo Edgemere, Ludlow Major, Mendip, Modern, Duo Modern and Wessex interlocking tiles

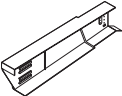
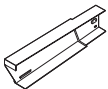







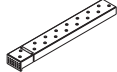
Shown with Mendip interlocking tiles



Shown with Edgemere interlocking slates

Key components

		Code
	Verge unit	
	left hand	391*
	right hand	392*
	Edgemere verge unit	
	left hand	381†
	right hand	382†
	Modern ridge end cap	394*
	Segmental ridge end cap	395*
	Edgemere ridge end cap	384†

		Code
	Modern mono-ridge end cap	
	left hand	408*
	right hand	409*
	Segmental mono-ridge end cap	
	left hand	427*
	right hand	428*
	Dry verge refurbishment kit (to fix 24 units)	35800
	Dry verge fixing kit (to fix 28 units)	39300
	Edgemere dry verge fixing kit (to fix 28 units)	38300

* Suffix with colour code: 01 Grey, 03 Brown, 04 Terracotta

† Suffix with colour code: 01 Grey, 03 Brown

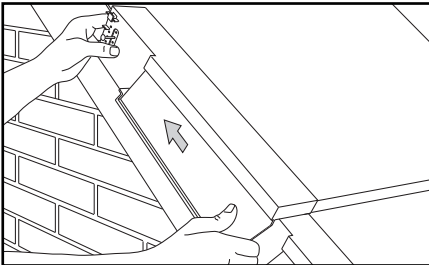
Advantages

- ✓ Strong and durable
- ✓ Weathertight and maintenance free
- ✓ Mechanically fixed
- ✓ Emulates appearance of traditional verge
- ✓ Easy and fast to install
- ✓ Also suitable for verges without bargeboard
- ✓ Dry verge refurbishment kit allows retro-fit to existing verges

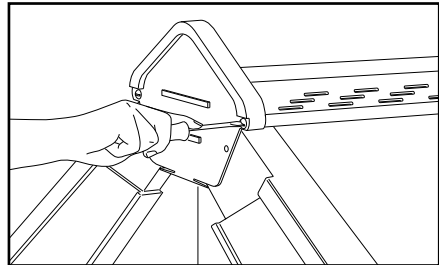
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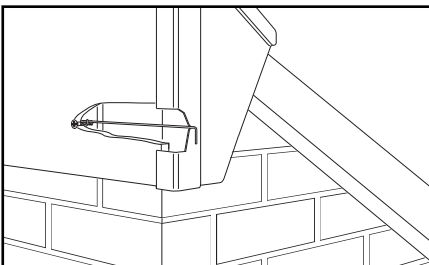
Fixing overview



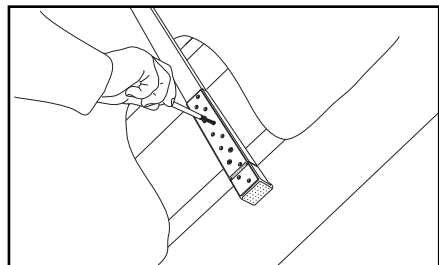
Slide up each unit to interlock



Screw fix ridge end cap



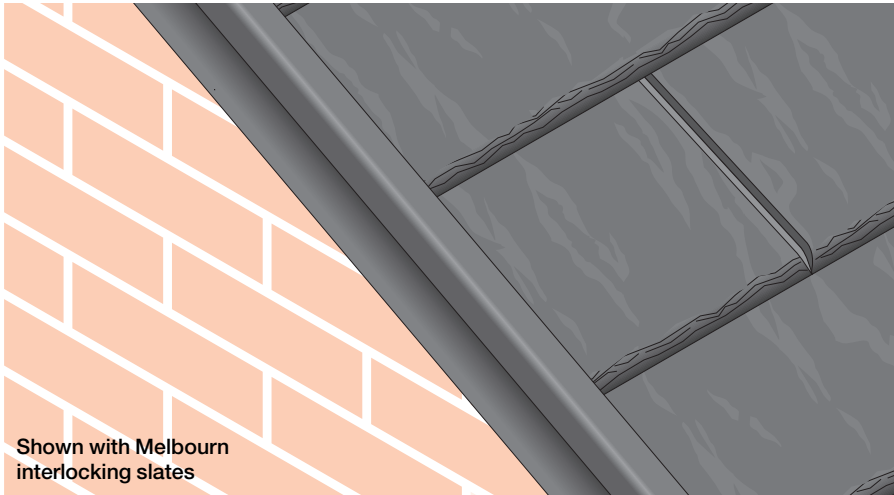
Mono-ridge end cap with fixing



Batten extension unit; part of dry verge refurbishment kit

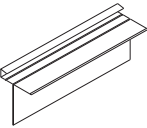



Continuous dry verge system

For use with fibre cement slates, Melbourn interlocking slates and Ashmore interlocking tiles




Shown with Melbourn interlocking slates

Key components

	Code
 Melbourn slates verge trim (3m)	MA42203
 Fibre cement slates verge trim (3m)	MA42206
 Modern ridge end cap	394*
 Modern mono-ridge end cap	
left hand	408*
right hand	409*
Slate dry verge fixing kit	42200

* Suffix with colour code: 01 Grey, 03 Brown, 04 Terracotta

Key components

	Code
 Ashmore dry verge	
Verge section (3m)	38501
Fixing kit	38510

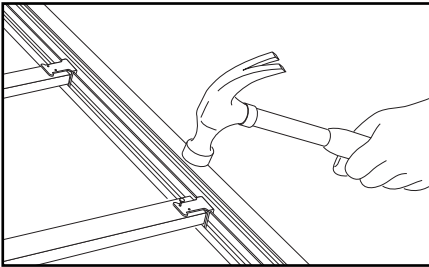
Advantages

- ✓ Strong and durable
- ✓ Weathertight and maintenance free
- ✓ Creates continuous clean verge detail
- ✓ Purpose designed for fibre cement slates, Melbourn interlocking slates or Ashmore interlocking tiles

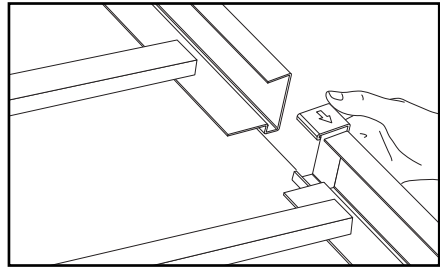
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tel 01283 722588

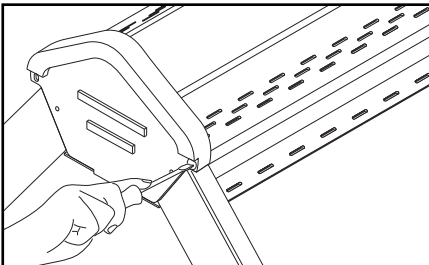
Fixing overview



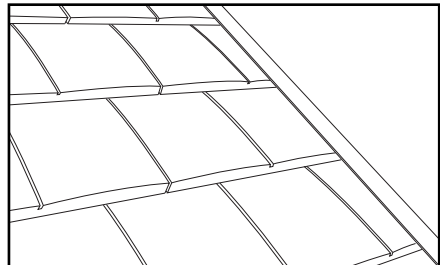
Through nail slate dry verge flange via battens



Ashmore verge connector units



Securing end cap to finish verge system at ridge



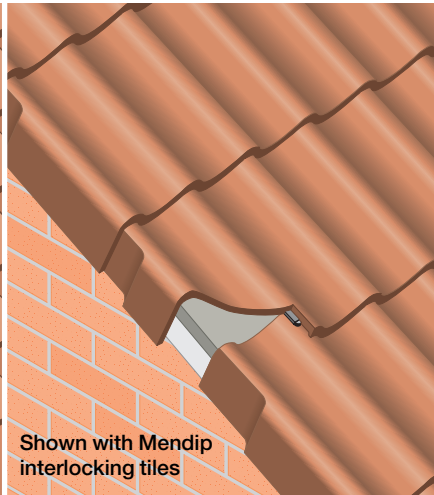
Ashmore continuous verge units

Cloak verges

For use with clay and concrete plain tiles, Mendip, Modern and Double Roman interlocking tiles

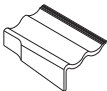
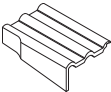
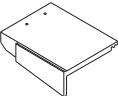
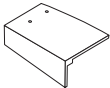
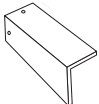





Shown with concrete plain tiles



Shown with Mendip interlocking tiles

Key components

		Code
	Mendip cloak verge	
	left hand	245
	right hand	246
	Double Roman cloak verge	
	left hand	265
	right hand	266
	Modern cloak verge	
	left hand	370
	right hand	371
	Concrete plain tile cloak verge	
	left hand	249
	right hand	250
	Clay plain tile cloak verge	
	left hand	-
	right hand	-

		Code
	Mendip half tile	247
	Double Roman half tile	102
	Modern half tile	372

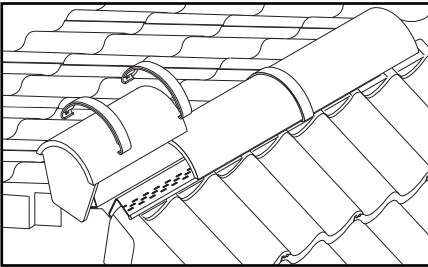
Advantages

- ✓ Strong and durable
- ✓ Weathertight and maintenance free
- ✓ Suitable with or without bargeboard
- ✓ Creates continuous, clean verge
- ✓ Suitable for range of laps
- ✓ Maximum pitch of 55° if top tile mitred
- ✓ Colour matched to main tiles

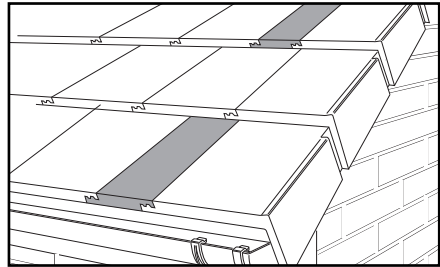
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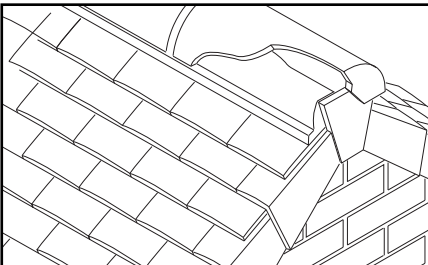
Fixing overview



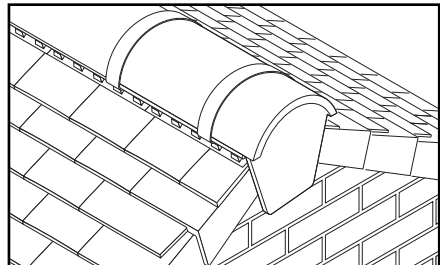
Completing interlocking profiled tile cloak verge at ridge



Maintaining broken bond with half tiles for Modern cloak verge



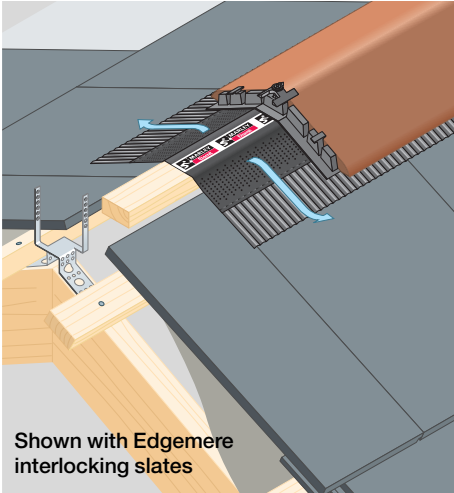
Stop end ridge tile used to finish clay plain tile cloak verge at ridge



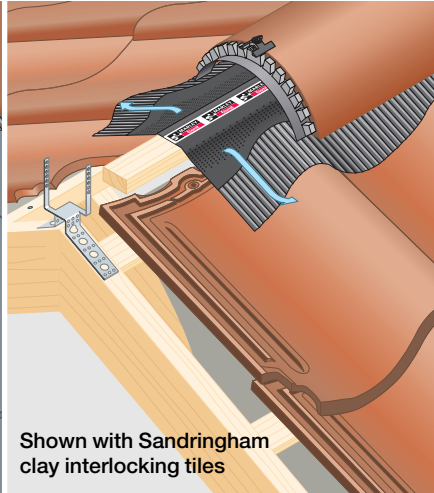
Concrete block end ridge finishing plain concrete cloak verge tiles

UNIVERSAL RidgeFast

For use with all tiles and slates



Shown with Edgemere interlocking slates



Shown with Sandringham clay interlocking tiles

Key components

	Code
Universal RidgeFast system (6m pack)	33000
Pack comprises of:	

Ridge roll (6m)



Ridge batten brackets (10 No.)



Ridge unions (13 No.)



	Code
RidgeFast roll applicator	33002
RidgeFast blanking tape (2 x 2m)	33001

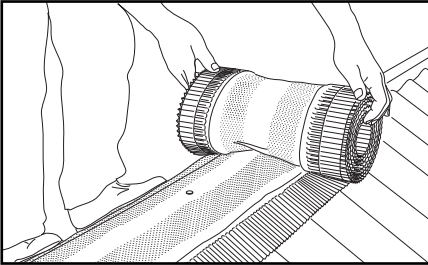
Advantages

- ✓ Simple and fast to install
- ✓ Can be used with all Marley Eternit tiles and slate profiles and those of other manufacturers
- ✓ Unobtrusive appearance
- ✓ Completely dry fixed system
- ✓ Suitable with standard ridge tiles
- ✓ Provides 5mm continuous ventilation along the ridge

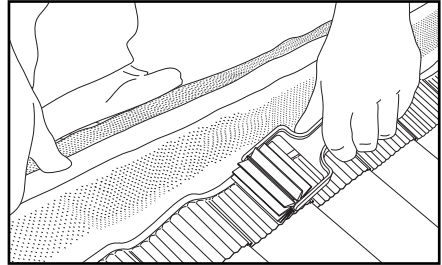
→ More

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web marleyeternit.co.uk
tel 01283 722588

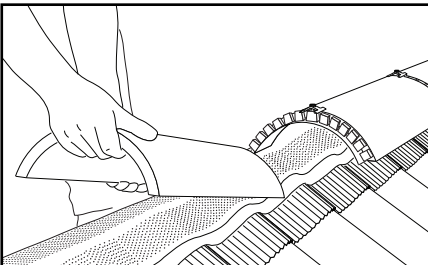
Fixing overview



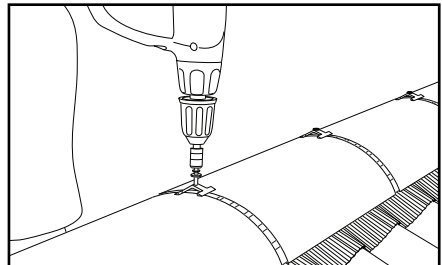
Roll out RidgeFast roll



Using ridge roll applicator



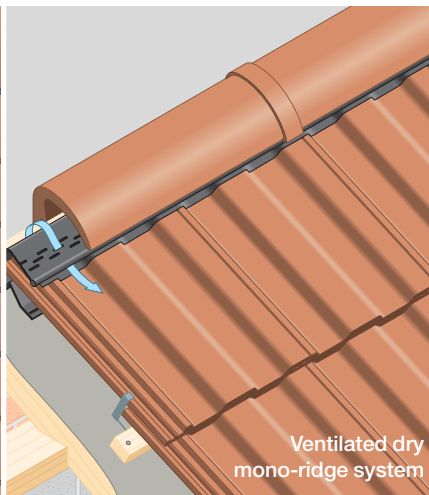
Lay and fix ridges onto roll



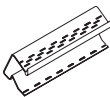
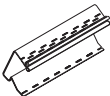


Secure ridge union

Ventilated dry ridge system

For use with all fibre cement slates, concrete tiles and slates








Key components

	Code
	Batten sections (3m)
	Plain tile 41099
	High profile† 41201
	Low profile† 41101
	Steep pitch batten sections (45-55°) (3m)
	High profile† 41202
	Low profile† 41102
	Segmental ridge junction apex cap 439*
	Modern ridge junction apex cap 440*

‡ For Double Roman, Mendip, Wessex and Anglia

† For Ashmore, Melbourn, Edgemere, Duo Edgemere, Modern, Duo Modern, Ludlow Plus, Ludlow Major and fibre cement slates

	Code
	Modern ridge union 414*
	Segmental ridge union 413*
	Segmental mono-ridge union 423*
	Segmental mono-ridge end cap left hand 427* right hand 428*
	Setting out gauge 41001

* Suffix with colour code: 01 Grey, 03 Brown, 04 Terracotta

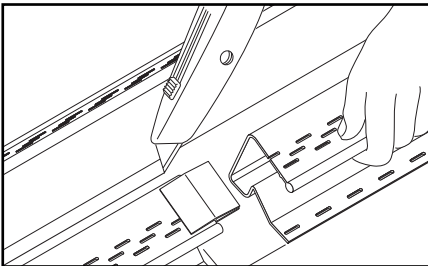
Advantages

- ✓ Simple and rapid installation
- ✓ Provides continuous, uninterrupted ridge line
- ✓ Weather tight and maintenance free
- ✓ Provides 5mm continuous ventilation along the ridge
- ✓ Can be used with all Marley Eternit tile and slate profiles
- ✓ Fully compatible with dry hip system
- ✓ Fixing instructions included with each kit

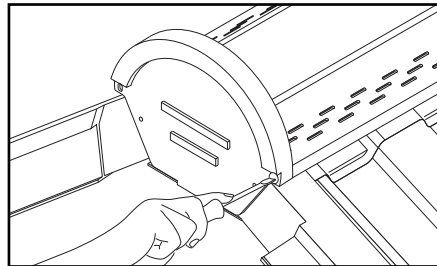
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 web marleyeternit.co.uk
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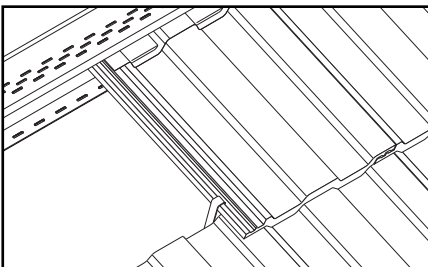
Fixing overview



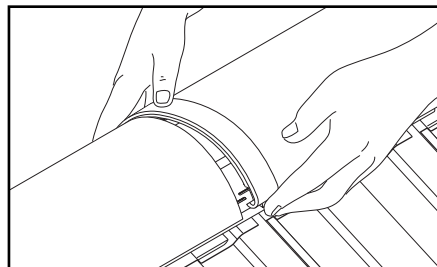
Slit underlay between batten sections and clip using 'H' section piece



Fixing ridge end cap to dry ridge battens



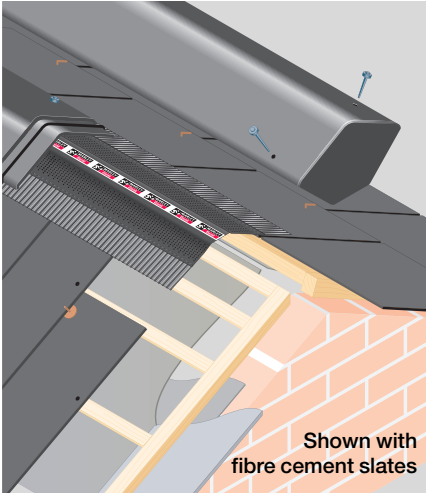
Clip top course interlocking tiles or slates (tiles shown)



Fix ridge units and unions

Fibre cement slate ridge with **UNIVERSAL** ridge roll

For use with fibre cement slates and ridges




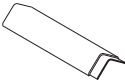
Advantages

- ✓ Simple and fast to install
- ✓ Maintenance free
- ✓ Unobtrusive appearance
- ✓ For ridges and hips
- ✓ Completely dry fixed system
- ✓ Provides 5mm continuous ventilation along the ridge

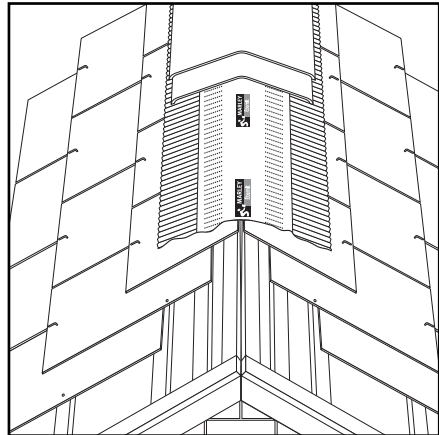
→ More

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Key components

	Code
 Universal ridge roll	33010
Fibre cement ventilated dry ridges	
 Duo pitch ridge	—
Stop end for duo pitch ridge	—
Roll top ridge	—
Stop end for roll top ridge	—

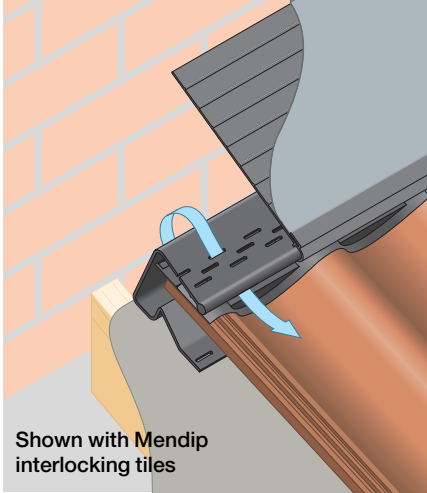
Fixing overview



Ridge roll with ridges

Top abutment ventilation system

For use with concrete tiles and slates, and fibre cement slates



Shown with Mendip interlocking tiles

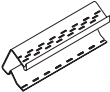
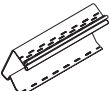
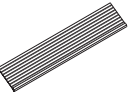
Advantages

- ✓ Provides ventilation at apex of lean-to roofs
- ✓ Dry fixed and completely weatherproof
- ✓ Continuous 5mm ventilation along abutment
- ✓ Provides eaves-to-apex ventilation when used with universal eaves system

→ More

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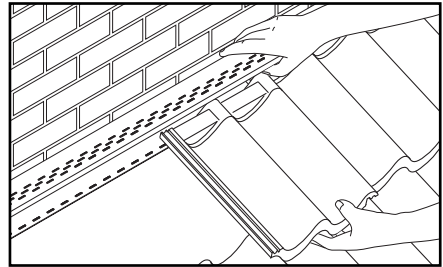
Key components

	Code	
 Batten sections (3m) Plain tile	41099	
	High profile†	41201
	Low profile†	41101
 Steep pitch batten sections (45-55°) (3m)	High profile†	41202
	Low profile†	41102
	Lead support strip	42505
		
Double lap slates fixing kit	41002	

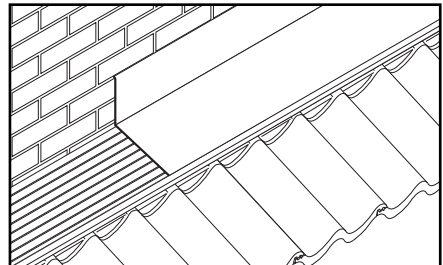
‡ For Double Roman, Mendip, Wessex and Anglia

† For Ashmore, Melbourn, Edgemere, Duo Edgemere, Modern, Duo Modern, Ludlow Plus, Ludlow Major and fibre cement slates

Fixing overview



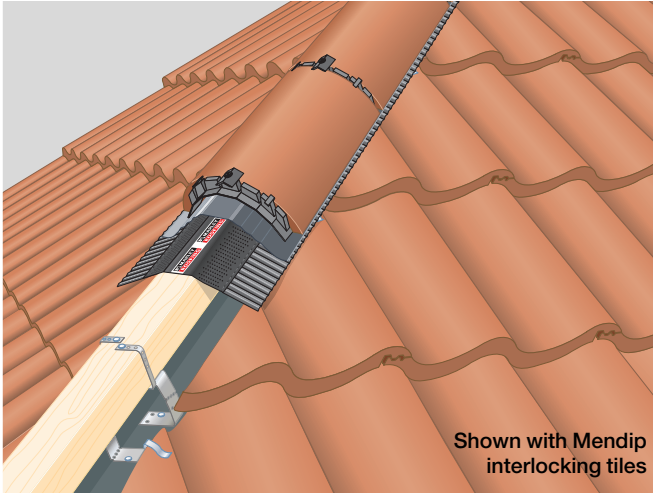
Insertion of profiled tiles into batten section



Finish by dressing lead onto lead support strips




UNIVERSAL HipFast


For use with all tiles and slates



Shown with Mendip interlocking tiles

Key components

	Code
Universal HipFast system (6m pack)	34000
Pack comprises of:	
 Hip roll (6m)	
 Hip batten brackets (11 No.)	
 Ridge unions (13 No.)	

	Code
1 No. HipFast Apex Flashing (0.5 x 0.5m)	-
 Tapered ridge filler	-
6 No. 1m length Hip Support Trays	-

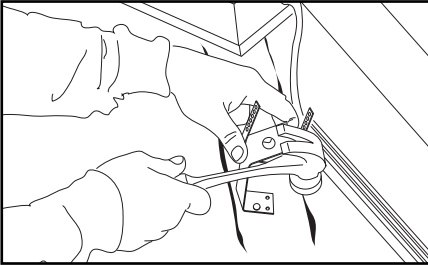
Advantages

- ✓ Simple and fast to install
- ✓ Can be used with all Marley Eternit tiles and slate profiles and those of other manufacturers
- ✓ Unobtrusive appearance
- ✓ Completely dry fixed system
- ✓ Suitable for standard hip tiles

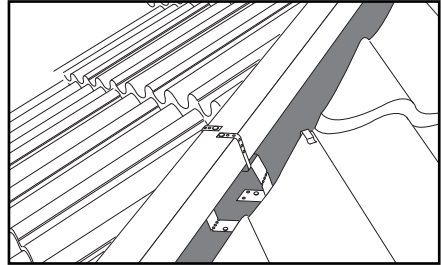
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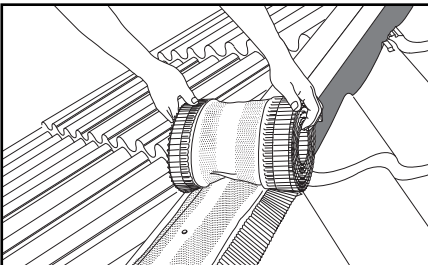
Fixing overview



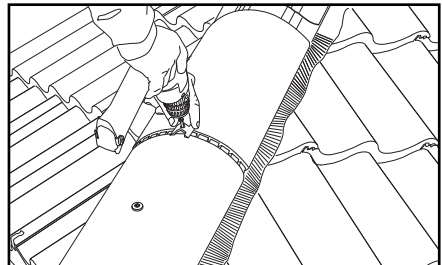
Fixing hip batten brackets



Fixing hip batten



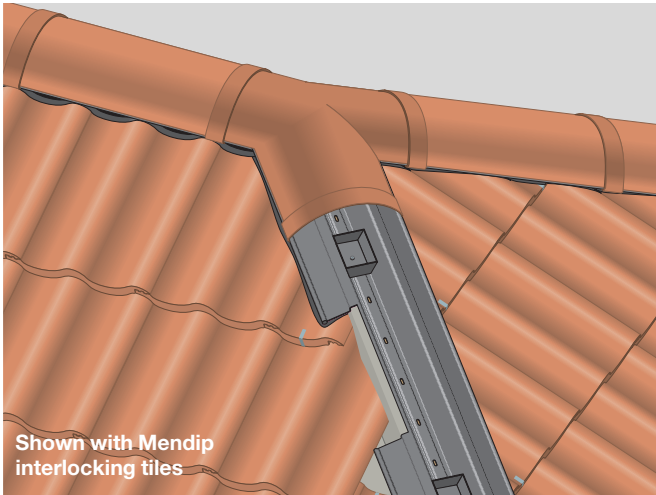
Roll out HipFast roll



Fixing hip unions

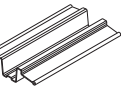
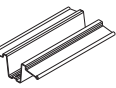
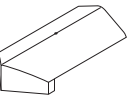
Dry hip system



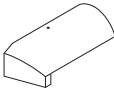


For use with all concrete tiles and interlocking slates



Shown with Mendip interlocking tiles

Key components

	Code
 <p>Dry hip batten section (low profile)</p>	43300
 <p>Dry hip batten section (high profile)</p>	43400
<p>Dry hip batten section fixing kit (1 kit per 3 metre batten section)</p> <p>Low profile 43601 High profile 43611</p>	
 <p>Modern stop end hip tile</p>	292

	Code
 <p>Modern ridge union</p>	4140*
 <p>Modern hip apex cap</p> <p>15-25° 4381* 25-35° 4382* 36-45° 4383*</p>	
 <p>Third round stop end hip tile</p>	292
 <p>Third round ridge union</p>	4140*
 <p>Third round hip apex cap</p> <p>15-25° 4381* 25-35° 4382* 36-45° 4383*</p>	

* Suffix with colour code: 1 Grey, 3 Brown, 4 Terracotta

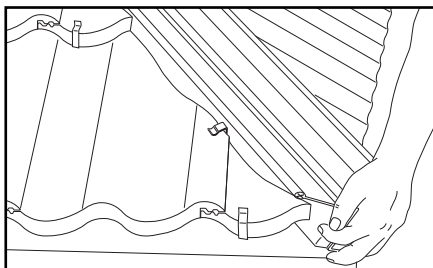
Advantages

- ✓ Mechanically fixed system
- ✓ Single and rapid to install
- ✓ Durable and weathertight
- ✓ Can be used up to 55° pitch
- ✓ Can be used with all Marley Eternit tile and slate profiles
- ✓ Fully compatible with ventilated dry ridge system
- ✓ Mechanically fixes every hip tile

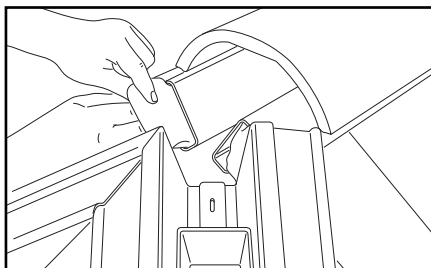
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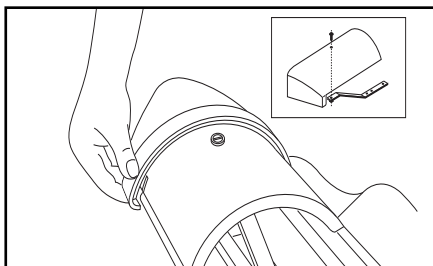
Fixing overview



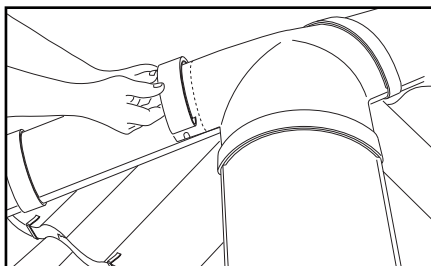
Locate hip batten section between cut tiles



Insert closed cell foam rubber slip at hip/ridge junction



Locate block end hip tile and assembly



Secure apex junction cap with hip/ridge unions

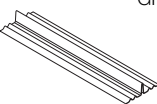
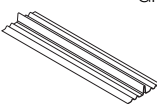
UNIVERSAL GRP dry valley

For use with all concrete plain tiles, interlocking tiles and slates



High profile, shown with Mendip interlocking tiles

Key components

	Code
 <p>GRP valley (low profile)</p>	30422
 <p>GRP valley (high profile)</p>	30421

GRP dry valley trough compatibility

Tile	High profile	Low profile
Ashmore		✓
Anglia	✓	
Double Roman	✓	
Edgemere/ Duo Edgemere		✓
Ludlow Major	✓	
Ludlow Plus	✓	
Mendip	✓	
Modern/ Duo Modern		✓
Wessex	✓	
Plain		✓
Wessex	✓	

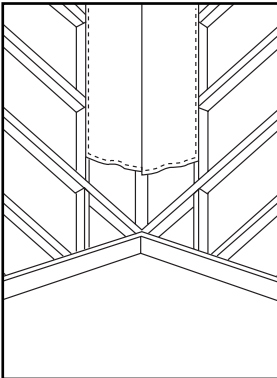
Advantages

- ✓ Dry fix, mortar-free system
- ✓ Latest tough, durable GRP technology
- ✓ Simple and rapid installation
- ✓ Can accommodate up to 20° pitch variance either side of valley
- ✓ Can be used on up to 60° pitches
- ✓ Gives finished appearance of close cut roof

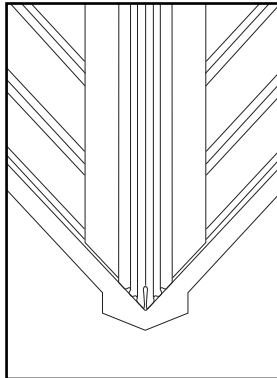
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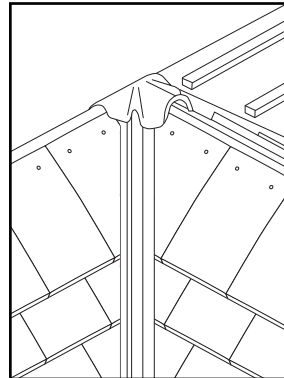
Fixing overview



Valley board construction



Placement and fixing of valley trough



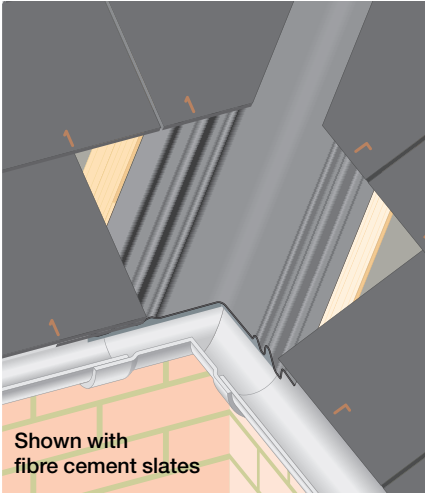
Tiles or slates cut to rake of valley

GRP valley systems

For use with fibre cement slates and Melbourn interlocking slates



For Marley Eternit
GRP valley trough
flashings



Shown with
fibre cement slates

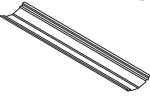
Advantages

- ✓ Dry fix, mortar free system
- ✓ Latest tough, durable GRP technology
- ✓ Simple and rapid installation
- ✓ Can accommodate up to 15° pitch variance

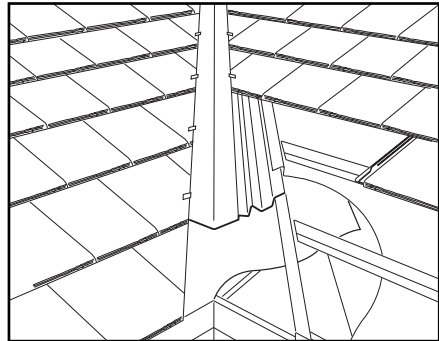
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Key component

	Code
	GRP slate dry valley trough 30578

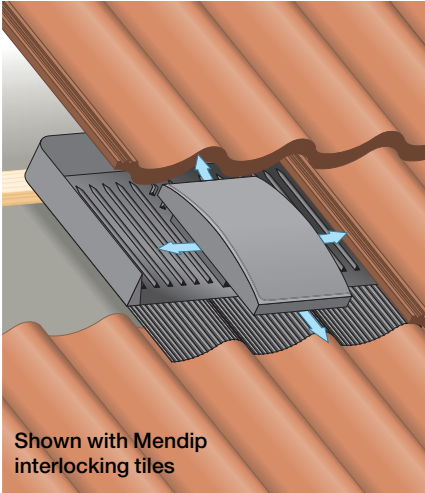
Fixing overview



Clipped, raking out interlocking slates laid with GRP valley trough

UNIVERSAL tile vent terminal

For use with large format interlocking tiles and slates



Shown with Mendip interlocking tiles

Advantages

- ✓ Ideal for natural, mechanical or soil pipe ventilation
- ✓ Weatherproof, tough and durable
- ✓ Suitable for large format and most '15 x 9' interlocking tile profiles
- ✓ 15,000mm² free area of ventilation
- ✓ Choice of 3 colours available

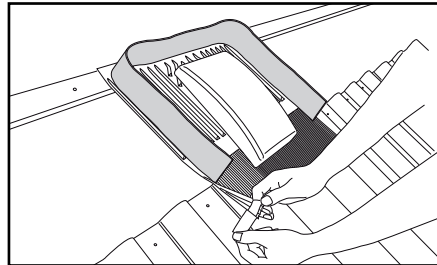
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Key components

	Code
Universal tile vent terminal	
Grey	36700
Brown	36703
Terracotta	36704
Flexible pipe	39091
ID 110mm (sold separately)	

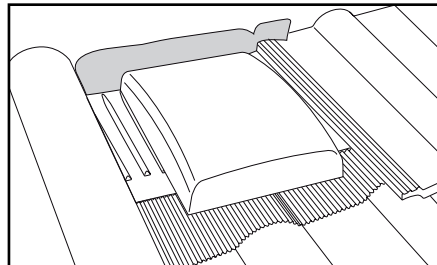
Fixing overview



Ensuring good seal between Universal tile vent terminal and tiles

Pressure resistance values

Pa (litres/sec airflow)	15	30	60
15,000mm ² free area	35	48	67



Finishing tiling and creating a weatherproof seal

Contour in-line vents

For use with concrete and clay plain tiles and concrete interlocking tiles and slates



Shown with Mendip interlocking tiles

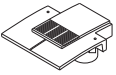
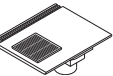
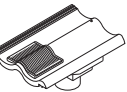
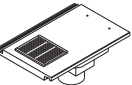

Advantages

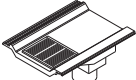
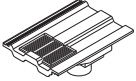

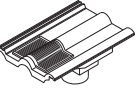

- ✓ Contoured to match tile profile
- ✓ Almost invisible from ground level
- ✓ Ideal for mid slope roof space ventilation
- ✓ Internal spigot for easy connection to mechanical extract or soil pipe ventilation
- ✓ Can be used with other manufacturer's tile profiles

→ More

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 tel 01283 722588

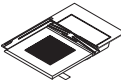
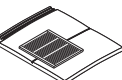

Key components

	Code
	455*
	465*
	452*
	451*
	460*

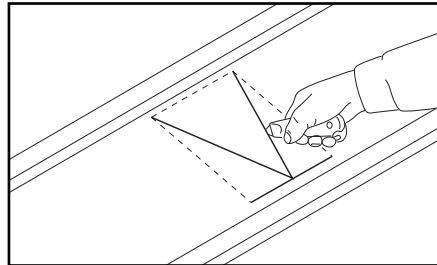
	Code
	459*
	456*
	457*
	453*
	
Terracotta	4001
Burnished	4002

Pressure resistance values

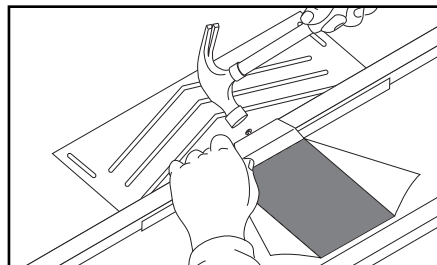
Tile	Free area (mm ²)	Pa (litres/sec airflow)		
		15	30	60
Anglia	15,000	8.3	33.2	132.0
Ashmore	10,000	18.0	32.0	95.9
Double Roman	13,500	7.3	29.7	120.9
Edgemere	10,000	7.5	25.0	87.0
Ludlow Major	11,000	9.1	36.3	144.3
Ludlow Plus	15,000	9.6	38.0	149.9
Melbourn (contour)	10,000	6.0	22.0	80.0
Melbourn (low pitch)	10,000	18.9	28.5	40.0
Mendip	14,500	7.7	31.0	124.8
Modern	10,000	7.9	31.2	122.5
Plain	10,000	13.6	53.7	211.0
Sandringham	10,000	22.3	32.1	45.4
Wessex	12,500	6.8	28.2	115.8

	Code
 <p>Melbourn contour tile vent terminal</p>	49000
<p>Low pitch Melbourn tile vent also available</p>	42700A
 <p>Ashmore contour tile vent terminal</p>	450
 <p>Flexible pipe ID 110mm (sold separately)</p>	39091

Fixing overview



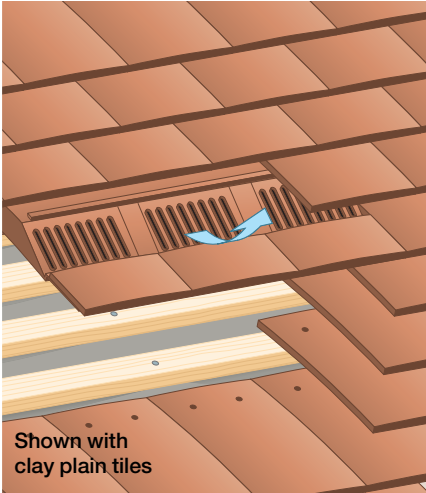
Make aperture in underlay using template



Secure soaker tray

Clay in-line vent

For use with clay plain tiles



Shown with
clay plain tiles

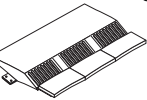
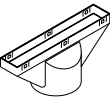

Advantages

- ✓ Real tile slips on visible edge provide total visual integration on roof slope
- ✓ 7,500mm² free vent area
- ✓ Ideal for roof space ventilation, mechanical extract or soil pipe ventilation

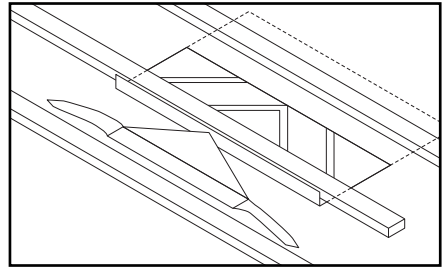
→ More

literature 'Sitework Guide' for fixing instructions
 web marleyeternit.co.uk
 tel 01283 722588

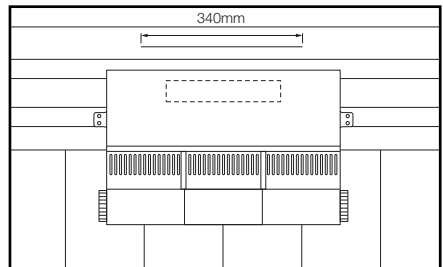
Key components

	Code
 <p>Clay in-line tile vent</p>	-
 <p>In-line tile vent adaptor</p>	-
 <p>Flexible pipe ID 110mm (sold separately)</p>	39091

Fixing overview



Mark throat position and cut underlay



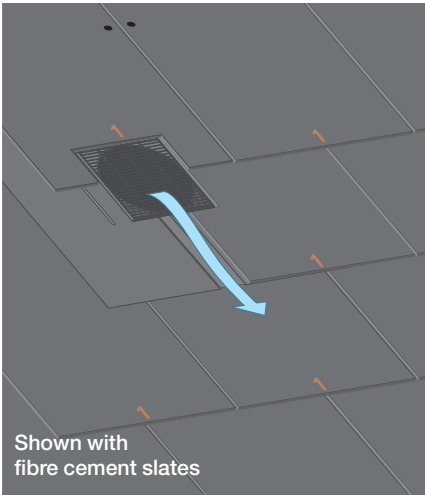
Position and fix in-line vent unit

Pressure resistance values

Pa (litres/sec airflow)	15	30	60
7,500mm ² free area	17.0	66.8	265.0

Fibre cement in-line vent

For use with fibre cement slates



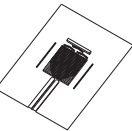
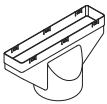

Advantages

- ✓ Provides excellent visual integration with roof slope
- ✓ Ideal for roof space ventilation, mechanical extract or soil pipe ventilation
- ✓ 10,000mm² free vent area

→ More

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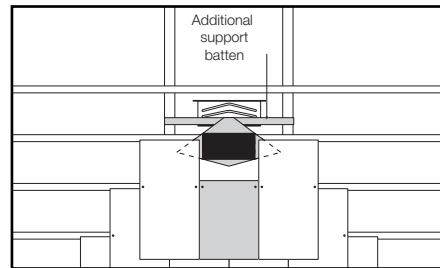
Key components

		Code
	In-line slate vent	-
	In-line fibre cement/natural PVCu slate ventilator	-
	Flexible pipe ID 110mm (sold separately)	39091

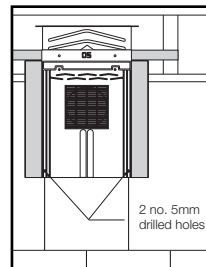
Pressure resistance values

Pa (litres/sec airflow)	15	30	60
10,000mm ² free area	10.9	41.5	162.0

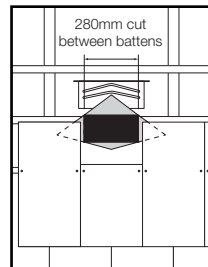
Fixing overview



Secure additional support batten



Secure underlay support to support batten



Determine position of ventilator

Tile ventilation terminals

For use with large format concrete interlocking tiles and Ashmore concrete interlocking tiles



Shown with Mendip interlocking tiles

Advantages

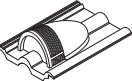
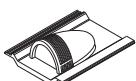


- ✓ Wide range of colour and finishes available to match tiles
- ✓ Provides roof slope ventilation
- ✓ Integral spigot with large format tiles for easy connection to mechanical extract or soil pipe ventilation

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Key components

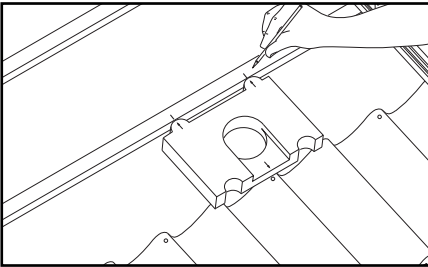
	Code
 Edgemere tile vent terminal	259
 Ludlow Major tile vent terminal	297
 Mendip tile vent terminal	294
 Modern/Duo Modern tile vent terminal	295

	Code
 Double Roman tile vent terminal	298
 Wessex tile vent terminal	294
 Flexible pipe ID 110mm (sold separately)	39091
 Ashmore ventilation roof tile	263

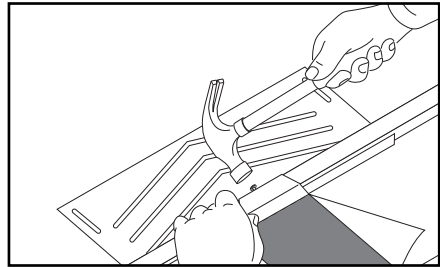
Pressure resistance values

Tile	Free area (mm ²)	Pa (litres/sec airflow)		
		15	30	60
Ashmore	4,500	–	–	–
Double Roman	7,614	6.5	24.8	89.1
Edgemere	7,081	7.6	28.6	106.7
Ludlow Major	7,665	6.7	24.3	88.4
Mendip	7,107	7.6	27.9	101.7
Modern	7,081	7.6	28.6	106.7
Wessex	6,929	7.9	29.7	110.6

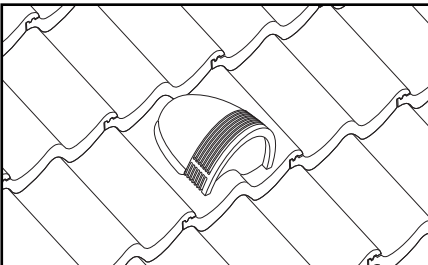
Fixing overview



Locate vent tile clear of rafters using supplied 'template'.



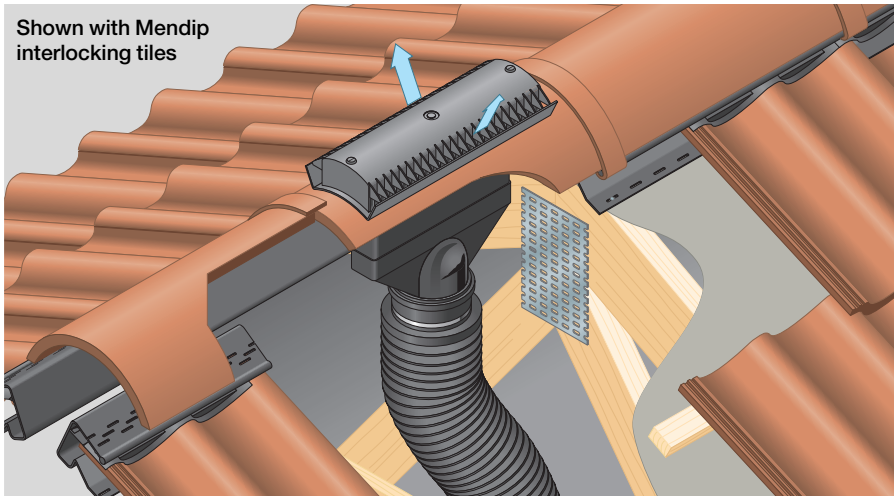
Cut and nail back underlay



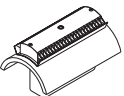



Lay vent terminal ensuring that pipe enters hole cleanly

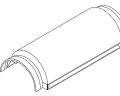
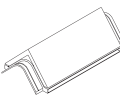
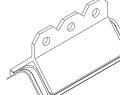
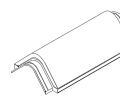

Ridge vent terminals

Systems available for clay and concrete tiles and slates, and fibre cement slates



Key components

	Code
For concrete tiles and slates	
 Ridge vent terminal	198
 Plumbers accessory pack (for ridge vent terminals only)	39090
For fibre cement slates	
 In-line ridge ventilator plus extension sleeve (900mm) 20°, 25°, 30°, 35°, 40°, 45°	–
 In-line ridge ventilator stepped adaptor	–
Flexible pipe	39091

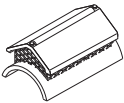
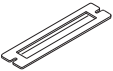

	Code
For clay plain tiles	
 Clay half round ridge vent	–
 Clay angle ridge vent	–
 Clay decorative ridge vent	–
 Clay hogs back ridge vent	–
 In-line ridge ventilator stepped adaptor	–
Flexible pipe	39091

Advantages

- ✓ Range of completely weather proof terminals
- ✓ Suitable for mechanical or passive stack ventilation
- ✓ Compatible with respective ventilated dry ridge systems
- ✓ Practical, easily installed and unobtrusive

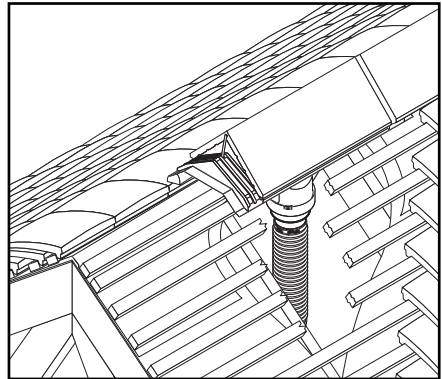
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	Code
Also available:	
Gas vent ridge terminals for concrete tiles and slates	
	Gas vent ridge terminal (with extension piece) 256
	Spare gasket set 30346
	Gas vent ridge flue terminal for condensing boilers
	Segmental 254*
	Modern 255*

* Made to order

Fixing overview



Installation of clay ridge vent terminal (with flexible pipe)

Ventilation requirements for 'cold roofs'

Roofs with a 'well-sealed' ceiling Bituminous felts and vapour impermeable underlays (high resistance)

The ventilation requirements for cold roofs with vapour impermeable underlays and 'well-sealed ceilings' are the same as the without 'well-sealed ceilings'. Installing a 'well-sealed ceiling' will make the conventional roof energy efficient because the airtightness of the 'well-sealed ceiling' will have prevented the heat loss through the ceiling by the convection. The heat loss due to low speed air currents over the cold side of the insulation caused by ventilation of the loft space is negligible.

Vapour permeable underlays (low resistance)

The installation and maintenance of a 'well-sealed ceiling' with a vapour permeable underlay reduces the ventilation requirements.

Key to illustrations

Warm roof/building areas

Cold roof areas

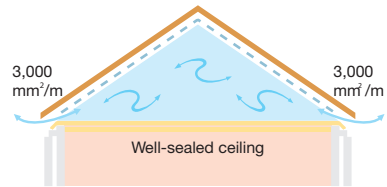
Normal ceiling

A ceiling where no attempt has been made to seal all gaps and penetrations (e.g. light drops, pipes etc.)

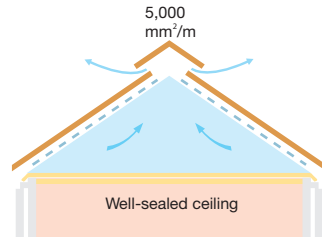
Well-sealed ceiling

The design avoids construction gaps, especially at the wall ceiling junction with dry lining construction and holes in the ceiling.

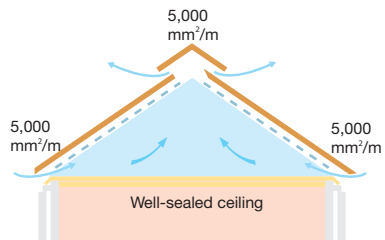
No access door or hatch should be located in rooms where large amounts of moisture are produced, including kitchens or bathrooms. The ceiling is sealed to the external walls to limit any leakage through cracks. The head of all cavities in the external walls, party walls and partition walls is sealed to prevent transfer of warm moist air into the loft.



All pitches and roof spans less than 10m



All pitches and roof spans less than 10m

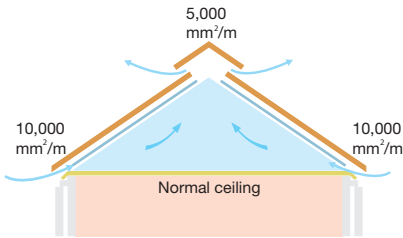


All pitches and roof spans greater than 10m

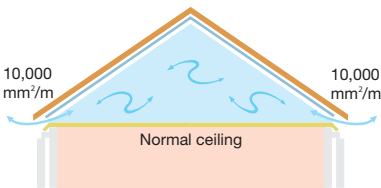
Roofs with a 'normal ceiling'

Bituminous felts and vapour impermeable underlays (high resistance)

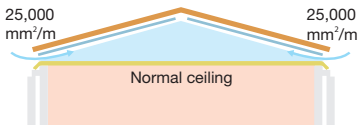
Ventilation of the loft space under a traditional bituminous felt or non-vapour permeable underlay has proven to be an effective and robust solution. Eaves-to-eaves ventilation installed on the longer sides of a typical rectangular roof, and eaves-to-ridge ventilation for pitches over 35° or with spans greater than 10m, have been successfully installed in millions of homes, shops and offices over the last 30 years.



Pitches over 35° or with roof spans greater than 10m



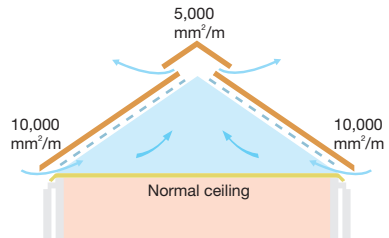
Pitches under 35° or with roof spans less than 10m



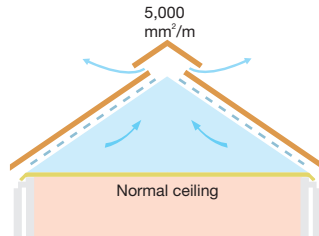
Pitches of 15° or less

Vapour permeable underlays (low resistance)

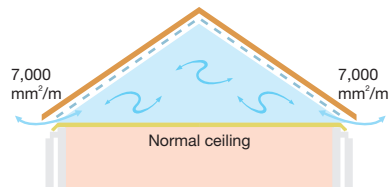
Vapour permeable underlays are defined as having a moisture vapour resistance of less than 0.25MNs/g. On fully boarded roofs, all underlays should be treated as impermeable and the roof space below ventilated in accordance with the high resistance underlay requirements described above.



All pitches with roof spans greater than 10m



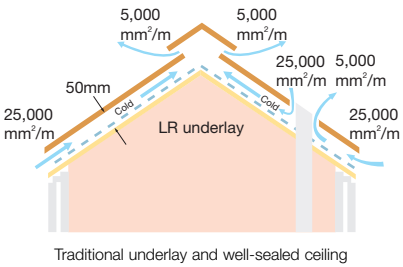
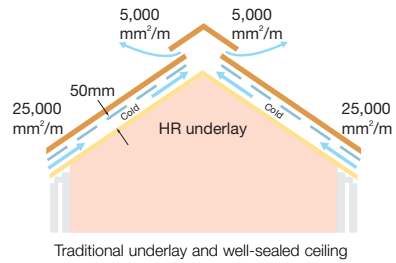
All pitches with roof spans less than 10m



All pitches with roof spans less than 10m

Ventilation requirements for 'warm roofs'

Roofs with a 'well-sealed' ceiling Bituminous felts and vapour impermeable underlays (high resistance)



Key to illustrations

Warm roof/building areas

Cold roof areas

Normal ceiling

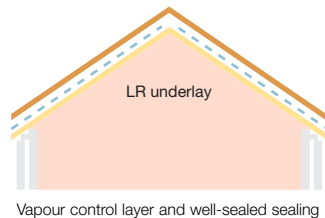
A ceiling where no attempt has been made to seal all gaps and penetrations (e.g. light drops, pipes etc.)

Well-sealed ceiling

The design avoids construction gaps, especially at the wall ceiling junction with dry lining construction and holes in the ceiling. No access door or hatch should be located in rooms where large amounts of moisture are produced, including kitchens or bathrooms. The ceiling is sealed to the external walls to limit any leakage through cracks. The head of all cavities in the external walls, party walls and partition walls is sealed to prevent transfer of warm moist air into the loft.

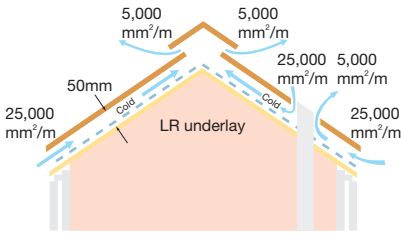
Vapour permeable underlays (low resistance)

Where a VCL and a 'well-sealed ceiling' have been installed, the harmful effects caused by condensation can be controlled by the use of a vapour permeable underlay without ventilation. The vapour permeable underlay may be laid fully supported on the insulation or draped unsupported. A 'well-sealed ceiling' is essential as is a separate vapour control layer used on the warm side of the insulation. If there is any doubt about the ability to provide and maintain an effectively sealed vapour control layer, then ventilation should be provided as if the underlay were impermeable.

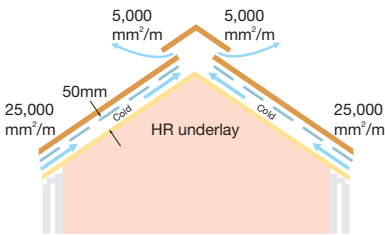


Roofs with a 'normal ceiling'

All warm roof constructions require a continuous vapour control layer (VCL) to be installed on the warm side of the insulation. The VCL should be lapped and sealed, and all penetrations of the VCL, e.g. pipes, wires etc. should be sealed to prevent moisture transfer into the insulation and the fabric of the roof structure. If a well-sealed ceiling is not provided and/or the integrity of the VCL cannot be maintained then, regardless of the underlay type used, a ventilated air space should be provided.



Vapour permeable underlay and normal ceiling



Traditional underlay and normal ceiling

Batten space ventilation

BS 5250 requires that the air openness of the roof covering is 7.8m³/m²/hr and suggests that most traditional unsealed slating and tiling will meet this requirement. Where this requirement is met, ventilation of the batten cavity is not required. Where the air openness cannot be achieved, e.g. fibre cement slates and other close fitting products or roofs subject to excessive dirt, moss or lichen, then ventilation of the batten cavity should be provided. Where batten cavity ventilation is required the ventilation should be 25,000mm²/m at eaves or low level and 5,000mm²/m at ridge or high level.



Technical Advisory Service

Marley Eternit provides a free Technical Advisory Service which is staffed by personnel with specialist knowledge of the use of all Marley Eternit roofing products and systems. Services include:

Fixing specifications

Bespoke fixing specifications can be provided, taking into account location, dimensions and degree of exposure for individual buildings.



→ www.marleyeternit.co.uk/tilefix

Estimating tile quantities

Calculation of all materials required for any roofing project including tiles, battens, underlay, ancillary fittings and accessories.



→ www.marleyeternit.co.uk/estimator

National Building Specification clauses (NBS)

All essential clauses for Marley Eternit roof specifications are available, detailing all work items in section H65 'Single lap roof tiling' and H60 'Plain roof tiling' and H61 'Fibre cement slates'.



→ www.marleyeternit.co.uk/specrite

→ Technical Advisory Service

contact tel 01283 722588
e-mail roofinginfo@marleyeternit.co.uk

web marleyeternit.co.uk/technicalservices
marleyeternit.co.uk/tilefix
marleyeternit.co.uk/estimator
marleyeternit.co.uk/specrite



Marley Eternit Assured Roofing Specification Scheme

Operated through Marley Eternit's Technical Advisory Service, this unrivalled and comprehensive advice and support service for specifiers of major roofing projects offers the following:

- In-depth technical advice
- Project-specific fixing specifications
- Project-specific NBS clauses

Level of cover

Marley Eternit offer 15 years cover for design performance, fixing specification and for product durability when correctly installed in accordance with our recommendations and the requirements of BS 5534.



Customer Services

Marley Eternit is committed to providing outstanding customer care and is staffed by experienced personnel. Services include:

Advice and ordering information

→ T 08705 626400

E roofinginfo@marleyeternit.co.uk

Literature

→ all current product and technical literature can be downloaded from:
www.marleyeternit.co.uk/downloads

→ T 08705 626400

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Stockist information

→ to find details for stockists of Marley Eternit products, visit:
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→ Customer services

tel 08705 626400

e-mail roofinginfo@marleyeternit.co.uk

Training centre

We have a purpose-built training centre where we are able to impart our expertise through a range of practical and classroom courses.

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Marley Eternit roofing ranges

- Clay and concrete plain tiles
- Fibre cement slates
- Interlocking slates
- Interlocking tiles
- Ventilation and dry fix roof accessories
- Fittings and accessories

Marley Eternit also offer comprehensive ranges of Claddings, Building Boards, Profiled Sheeting and accessories

Information for all these products is available on request.

→ www.marleyeternit.co.uk

T 01283 722588

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The information contained herein is based on Marley Eternit's current recommendations intended for general roof applications, but where non-standard situations occur or where abnormal site exposure conditions apply, users must satisfy themselves as to the suitability of the recommendations given. Furthermore, the advice given in isolation should not be taken as providing any guarantee of the performance or suitability of the product for specific applications. For specific applications users should refer to the relevant Standards and Codes of Practice for guidance or contact the Technical Advisory Service for advice.

All Marley Eternit Dry Fix products will have a life comparable with other components of the roofing system. Components manufactured from PVCu that are subjected to long term exposure to the weather will suffer UV degradation; this may cause fading and a reduction in impact strength although the performance of the product will remain unaffected.

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FSC logo (black)

Customer Services

T 08705 626400 F 08705 626450 E roofinginfo@marleyeternit.co.uk

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