

# Roofing Accessories





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.

Marley offers all this, as well as a range of dry fix and ventilation, tile fixing and mortar bedding options that make it easy for you to comply with BS 5534.

Trust Marley to take the hassle out of roofing. If you ever need advice on any roofing related issue, you can rely on our team to give you a helping hand.

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## THE MARLEY ROOF SYSTEM

We offer the most comprehensive roof system on the market, underwritten by a 15 year warranty.



**NSSPlus** 



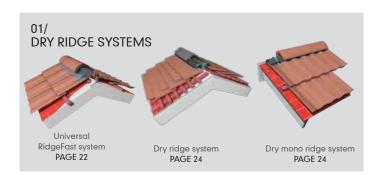


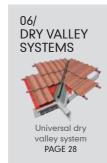


Email info@marley.co.uk

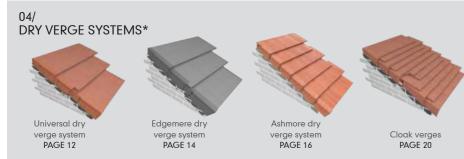
Or visit marley.co.uk

FIND OUT MORE ▲ marley.co.uk 3

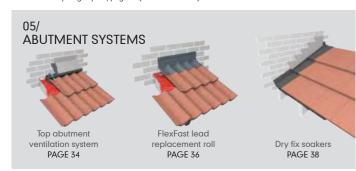


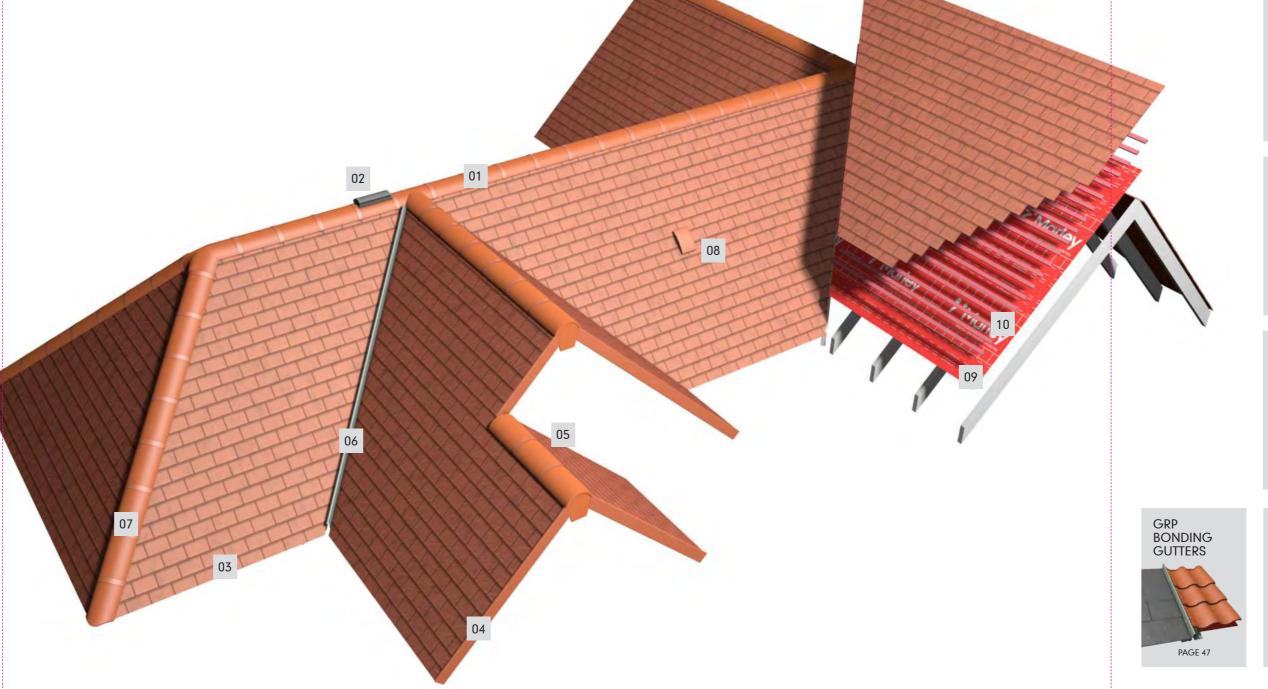




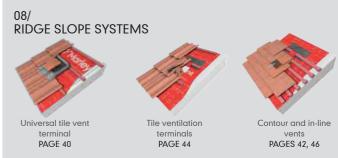


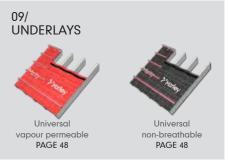
\* Continuous dry verge sytem, page 18 (not shown above)



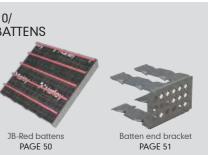












4 Introduction FIND OUT MORE 

marley.co.uk 5

## So many elements offered by one supplier, give levels of accountability and integration that reduce design and installation liability. More elements guaranteed to work seamlessly together, give you more time to focus on design and management of your project, complete peace of mind and, of course, better, more durable, lower maintenance roofs.

▲ Roof coverings

▲ Knowledge

■ Base layers

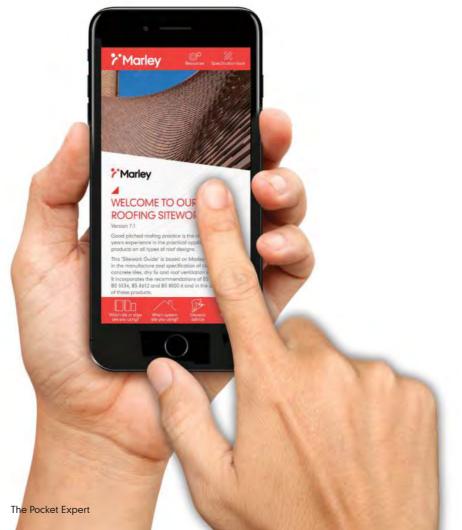
■ Confidence

■ Detailing

## THE POCKET EXPERT

Our new sitework guide app is your pocket expert on installing your dry fixed roof to the latest British Standards.

Also includes general setting out and fixing guidance.





every Marley dry fix and ventilation system All BS 5534 and BS 5250 compliant.



■ Search by roof area To find the information you need, straight away.



■ Search by product To find the right tile information.



▲ Follow easy step-by-step fixing instructions Making it quicker for you to read on site.



Find out how Marley can help you Discover the free of charge services and

support available.



■ Play embedded videos Short, step-by-step 'how to' videos with hands on demonstrations.



Download from the App Store or Google Play by searching for Marley, or visit marley.co.uk/pocketexpert

FIND OUT MORE / marley.co.uk 7

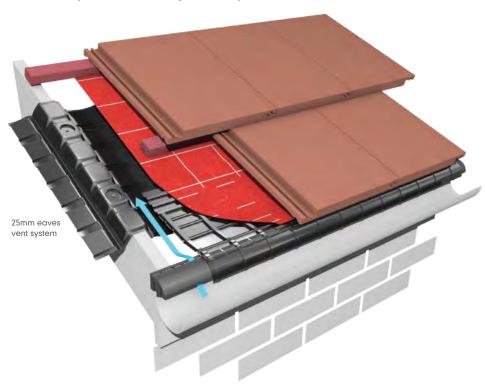
## SYSTEM SELECTOR

			1		Ye.									
	CLAY PLAIN TILES	CONCRETE PLAIN TILES	LINCOLN	MAXIMA	MELODIE	EDGEMERE RANGE	MODERN & DUO MODERN	DOUBLE ROMAN	MENDIP	LUDLOW MAJOR/ ECOLOGIC	WESSEX	LUDLOW PLUS	ANGLIA	ASHMOR
UNIVERSAL ROOFING ACCESSORIES														
10mm eaves vent system	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
25mm eaves vent system	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Dry verge			✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
HipFast	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
RidgeFast	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Tile vent	✓	✓		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
GRP dry valley system	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Underlays	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DRY VERGE SYSTEMS														
Cloak verge system	✓	✓		✓	✓		√*	✓	✓					
Edgemere dry verge						✓								
Continuous dry verge	✓	✓												✓
Ashmore dry verge														✓
DRY HIP SYSTEMS														
Dry hip		✓				✓	✓	✓	✓	✓	✓	✓	✓	✓
DRY VALLEY SYSTEMS														
Plain tile valley	✓	✓												
VENTILATED DRY RIDGE														
Ventilated dry ridge		✓				✓	✓	✓	✓	✓	✓	✓	✓	✓
Ventilated mono dry ridge		✓				✓	✓	✓	✓	✓	✓	✓	✓	✓
ABUTMENT SYSTEMS														
Top abutment ventilation system			✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Dry fix soakers	✓	✓				✓	✓							✓
VENTILATION TERMINALS														
Gas vent ridge terminals		✓				✓		✓	✓	✓	✓	✓	✓	✓
Ridge vent terminals		✓				✓	✓	✓	✓	✓	✓	✓	✓	✓
In-line vents and contour vents	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓
Tile vent terminals						✓	✓	✓	✓	✓	✓			
Ventilation roof tile														✓
Ridge vent terminal for condensing boiler		✓				✓	✓	✓	✓	✓	✓	✓	✓	✓
BONDING GUTTERS	✓	✓	<b>√</b>	✓	✓	✓	<b>√</b>	<b>√</b>	✓	✓	✓	<b>√</b>	<b>√</b>	✓

\* Suitable for Modern only

### UNIVERSAL EAVES VENT SYSTEMS

For use with all tiles and slates, (including eaves vent system PLUS for low pitch roofs with deep insulation).



#### **ADVANTAGES**

- Can be used with all Marley and other manufacturers' tiles and slates
- Simple and fast to install
- ▲ Eaves-to-ridge or eaves-to-eaves ventilation
- 12.5-55° pitched roofs
- Eaves vent PLUS for low pitch roofs with deeper insulation
- ▲ Allows clip fixing of tiles at eaves
- ▲ Compresses insulation ensuring airflow
- Prevents ingress of birds, vermin and insects



PRODUCT INFORMATION Visit marley.co.uk/eavesvent or Tel 01283 722588

#### KEY COMPONENTS

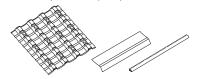
Universal 10mm eaves vent system (6m pack)	
comprising of:	

- Eaves rafter roll (6m)
- Felt support tray (10 No.)
- 10mm strip ventilator (6 No.)



Universal 10mm eaves vent PLUS system 46354 (6m pack) comprising of:

- Eaves rafter roll (6m x 600mm deep)
- Rigid felt support tray (10 No.)
- 10mm strip ventilator (6 No.)



	Code
Universal 25mm eaves vent system (6m pack)	46350
comprising of:	

- Eaves rafter roll (6m)

46350

- Felt support tray (10 No.)
- 25mm strip ventilator (6 No.)



Gutter spacers (20 per pack)



Felt support tray (10 No.)



Comb filler strip 30425

Continuous rafter roll pack (2 No. 6m)



46323

BS 5534

46353

46345

**COMPLIANT** 

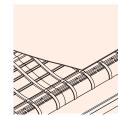
#### FIXING OVERVIEW



Nail strip ventilator onto fascia board



Place felt support trays over vent strips and nail to rafters



Underlay over support tray (stop 25mm from curved edge)



When using profiled tiles, fix comb filler strip to fascia

Eaves ventilation systems FIND OUT MORE ◢ marley.co.uk 11

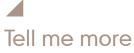
### UNIVERSAL DRY VERGE SYSTEM

Compatible with all three main interlocking tile types: large standard, medium format and large format thin leading edge, plus our Lincoln and Maxima clay interlocking tiles.



#### **ADVANTAGES**

- Meets BS 5534 requirements and NHBC guidelines
- Drainage channels reduce the risk of gable end staining
- Starter fixing bracket enables fast and secure installation
- Unrivalled compatibility
- Manufactured from high grade polypropylene for outstanding durability
- Simple and fast to install
- Also suitable for verges without bargeboard
- Dry verge refurbishment kit allows retro-fit



PRODUCT INFORMATION Visit marley.co.uk/dryverge or Tel 01283 722588

#### **KEY COMPONENTS**

391*
392*

*	
Modern ridge end cap	394*





Modern mono-ridge end cap and wire hook

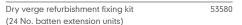
Left hand
Right hand

396\*
397\*

	Code
Segmental mono-ridge end cap and wire hook	
Left hand	395*

BS 8612

COMPLIANT





Dry verge starter unit 53931

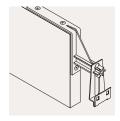


atten end clip 30214

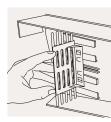


- \* Suffix with colour code: 01 Grey, 03 Brown, 04 Terracotta
- † Suffix with colour code: 01 Grey, 03 Brown

#### FIXING OVERVIEW



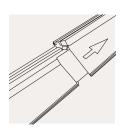
Secure the starter bracket onto the corner of the fascia



Position plastic filler piece



Secure the first verge with mechanical fixing



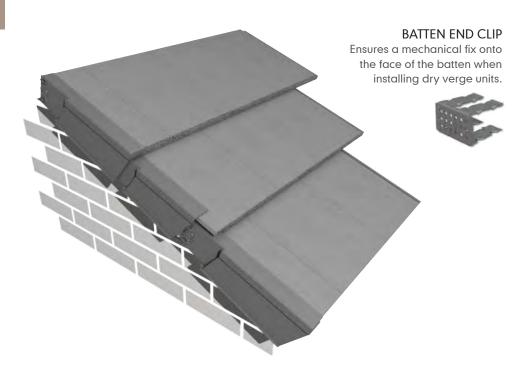
Slide verge units upwards

Verge systems FIND OUT MORE ◢ marley.co.uk 13

### EDGEMERE DRY VERGE SYSTEM

Compatible with Standard, Riven and Duo Edgemere





#### **ADVANTAGES**

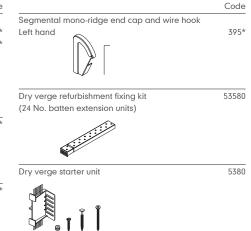
- Meets BS 5534 requirements and NHBC guidelines
- Drainage channels reduce the risk of gable end staining
- Starter fixing bracket enables fast and secure installation
- Unrivalled compatibility
- Manufactured from high grade polypropylene for outstanding durability
- Simple and fast to install
- Also suitable for verges without bargeboard
- Dry verge refurbishment kit allows retro-fit



PRODUCT INFORMATION Visit marley.co.uk/dryverge or Tel 01283 722588

#### **KEY COMPONENTS**

	Code
Universal verge unit	
Left hand	381*
Right hand	382*
Modern ridge end cap	384*
Segmental ridge end cap	395*





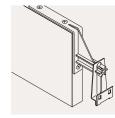
\* Suffix with colour code: 01 Grey, 03 Brown † Suffix with colour code: 01 Grey, 03 Brown

FIXING OVERVIEW

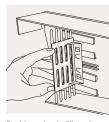
Left hand

Right hand

Modern mono-ridge end cap and wire hook







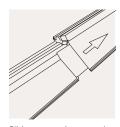
396\*

397\*

Position plastic filler piece



Secure the first verge with mechanical fixing



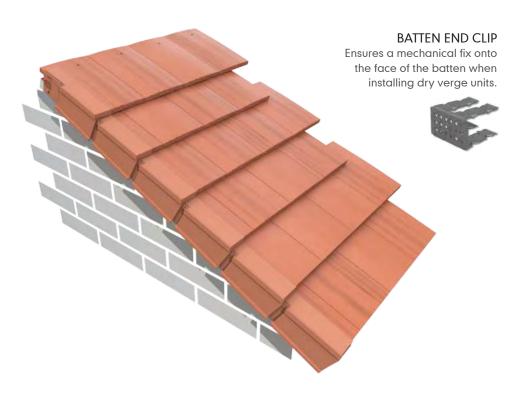
30214

Slide verge units upwards

### ASHMORE DRY VERGE SYSTEM

Compatible with Ashmore tiles and concrete interlocking plain tiles.





#### **KEY COMPONENTS**

		Code
Ashmore verge unit	Left hand Grey	MA39611
	Right hand Grey	MA39711
<u>~</u>	Left hand Brown	MA39713
0.	Right hand Brown	MA39613
	Left hand Terracotta	MA39614
<b>\</b> \\\	Right hand Terracotta	MA39714

Ashmore segmental ridge end cap Grey	MA39801
Ashmore segmental ridge end cap Brown	MA39803
Ashmore segmental ridge end cap Terracotta	MA39804



	Code
Dry verge refurbishment fixing kit	MA53580
(24 No. batten extension units)	



Ashmore dry verge starter unit MA39900



Batten end clip MA30214



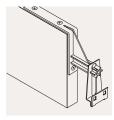
\* Suffix with colour code: 01 Grey, 03 Brown, 04 Terracotta † Suffix with colour code: 01 Grey, 03 Brown

#### **ADVANTAGES**

- Meets BS 5534 requirements and NHBC guidelines
- Multiple drainage channels to reduce the risk of gable end staining
- Starter fixing bracket enables fast and secure installation
- Sleek design complements plain tile aesthetic
- Manufactured from high grade polypropylene for outstanding durability
- Simple and fast to install
- Also suitable for verges without bargeboard

## Tell me more

PRODUCT INFORMATION Visit marley.co.uk/dryverge or Tel 01283 722588



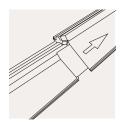
Secure the starter bracket onto the corner of the fascia



Position plastic filler piece



Secure the first verge with mechanical fixing



Slide verge units upwards

## CONTINUOUS DRY VERGE SYSTEM

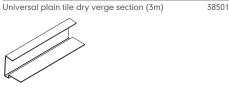
For use with Ashmore interlocking tiles, concrete plain tiles and clay plain tiles.



## KEY COMPONENTS

Plain tile dry verge fixing kit\*\*

\*\* One fixing kit per length of verge



## Code Modern ridge end cap 394\*



Code

38510

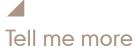
Segmental ridge end cap



<sup>\*</sup> Suffix with colour code: 01 Grey, 03 Brown, 04 Terracotta

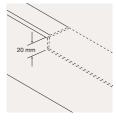
#### ADVANTAGES

- Meets BS 5534 requirements and NHBC guidelines
- Meets BS 8612 requirements
- Strong and durable
- Weathertight and maintenance free
- lacktriangle Creates continuous clean verge detail

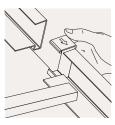


PRODUCT INFORMATION Visit marley.co.uk/dryverge or Tel 01283 722588

#### FIXING OVERVIEW



Cut away section at ridge



Universal plain tile verge connector units



Nailing verge units



395\*

Installed dry verge system

## **CLOAK VERGES**

For use with clay and concrete plain tiles, Melodie, Maxima, Mendip, Modern\* and Double Roman\* interlocking tiles





#### **ADVANTAGES**

- ▲ Meets BS 5534 requirements and NHBC guidelines
- Strong and durable
- Weathertight and maintenance free
- Suitable with or without bargeboard
- Suitable for range of laps
- ▲ Maximum pitch of 55° if top tile mitred

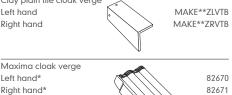


PRODUCT INFORMATION Visit marley.co.uk/dryverge or Tel 01283 722588

#### **KEY COMPONENTS**

	Code	
Mendip cloak verge Left hand Right hand	245 246	Concrete plain tile cloo Left hand Right hand
Mendip half tile	247	Clay plain tile cloak ve
Mendip fixing kit	54252	Left hand Right hand
Double Roman cloak verge Left hand Right hand	265 266	Maxima cloak verge Left hand*
Double Roman half tile	102	Right hand*
Double Roman fixing kit	54252	
Modern cloak verge Left hand Right hand	371 370	Melodie cloak verge Left hand* Right hand*
Modern half tile	372	* codes are for Natural Rec
Modern fixing kit	37300	codes die for Natural Rec

		Code
Concrete plain tile	cloak verge	
Left hand	<b>∕</b> •	249
Right hand		250









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

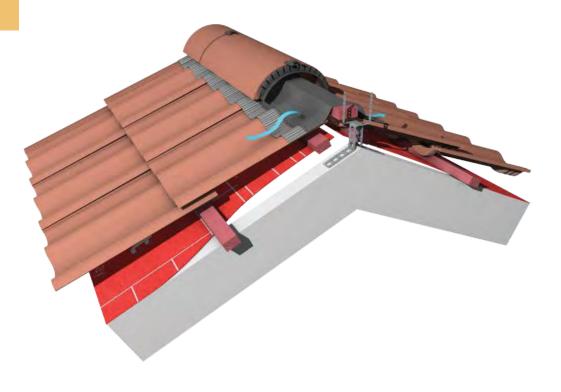


Concrete block end ridge finishing plain concrete cloak verge tiles

## UNIVERSAL RIDGEFAST SYSTEM

For use with all tiles and slates.

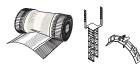




#### **KEY COMPONENTS**

	Code
Universal RidgeFast system (6m pack)	53300
comprising of:	

- Ridge roll (6m)
- Ridge batten brackets (10 No.)
- Ridge unions (13 No.)



Code
33001
53003
70000

<sup>\*</sup> For clay half round ridge with profiled tiles

#### **ADVANTAGES**

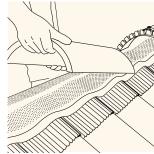
- ▲ Meets BS 5534 requirements and NHBC guidelines
- Meets BS 8612 requirements
- ▲ Highest grade aluminium flashing
- Hydrophobic membrane for maximum weather resistance
- Elastomeric membrane for easy installation and prevents rucking
- Bespoke batten brackets for anchoring to structure
- ▲ Can be used with all concrete tiles and slates
- Completely dry fixed system
- Suitable with standard ridge tiles
- ▲ Provides 5mm continuous ventilation along the ridge

## Tell me more

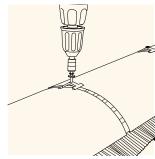
PRODUCT INFORMATION Visit marley.co.uk/ridgefast or Tel 01283 722588







Lay and fix ridges onto roll

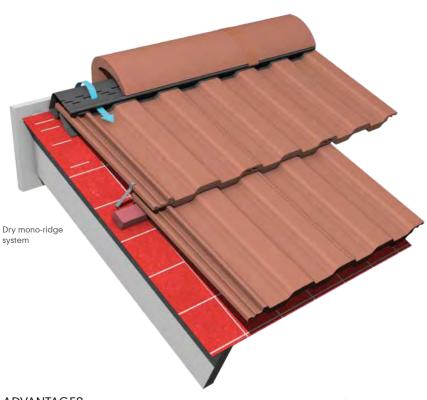


Secure ridge union

## **VENTILATED DRY RIDGE SYSTEM**

For use with all large format interlocking tiles.





#### **ADVANTAGES**

- Meets BS 5534 requirements and NHBC guidelines
- lacksquare Simple and fast to install
- lacktriangle Weathertight and maintenance free
- ightharpoonup Can be used up to 55° pitch
- Provides 5mm continuous ventilation along the ridge
- Can be used with all fibre cement slates, concrete tiles and slates
- Fully compatible with dry hip system



PRODUCT INFORMATION Visit marley.co.uk/dryridge or Tel 01283 722588

#### **KEY COMPONENTS**

	Code
Batten section (3m)	
High profile‡	41201
Low profile†	41101
Steep pitch batten section (45-55°, 3m)	
High profile‡	41202
Low profile†	41102
Segmental ridge junction	439*
арех сар	
Modern ridge junction	440
арех сар	
Modern ridge union	414*
Segmental ridge union	413*

	Code
Segmental mono-ridge union	423*
Segmental mono-ridge	
union end cap	
Left hand	427*
Right hand	428*
Filler units	
Double Roman (vented)	42105
Ludlow Major (vented)	41601
Ludlow Plus (vented)	41508
Mendip (vented)	41701
Wessex (vented)	41901
Anglia (vented)	41506
Modern/Edgemere/Ashmore (vented)	41501
Lincoln	42107
Dry ridge top course clip and nail pack	
Modern/Duo Modern	30273
Edgemere/Duo Edgemere	30297

- \* Suffix with colour code: 01 Grey, 03 Brown, 04 Terracotta
- ‡ For Double Roman, Mendip, Wessex and Anglia
- † For Ashmore, Edgemere range, Modern, Duo Modern, Ludlow Plus and Ludlow Major



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



Fix ridge end cap to dry ridge battens



Clip top course interlocking tiles or slates (tiles shown)



Fix ridge units and unions

## **RIDGE VENT TERMINALS**

Available to suit concrete ridges



#### **KEY COMPONENTS**

	Code
Ridge vent terminal	198
Plumbers accessory pack (for ridge vent terminals)	39090

	Code
Gas vent ridge terminal	256
(with extension piece)	
Spare gasket set (compatible with	30346
'R' type adaptor)	
Gas vent ridge flue terminal	
for condensing boilers	
Segmental	254
Modern	255*
Modern/segmental adaptor ridge union	420*

<sup>\*</sup> Made to order

#### **ADVANTAGES**

- Suitable for mechanical or passive stack ventilation
- Compatible with our range of ventilated dry ridge systems
- Simple and fast installation



PRODUCT INFORMATION Visit marley.co.uk/ventilation or Tel 01283 722588

#### FIXING OVERVIEW



Installation of gas vent ridge terminal (with flexible pipe)

Ridge systems FIND OUT MORE ◢ marley.co.uk 27

## UNIVERSAL GRP DRY VALLEY

For use with all concrete plain and interlocking tiles



## KEY COMPONENTS

	Code
GRP valley (low profile)	30422
GRP valley (high profile)	30421
Tile tail clips (pack)	43602
Head clips (pack)	43604

#### COMPATIBILITY

	High profile	Low profile
Ashmore		✓
Anglia	✓	
Double Roman	✓	
dgemere range		✓
incoln	✓	
udlow Major	✓	
udlow Plus	✓	
Maxima	✓	
Melodie	✓	
Mendip	✓	
Modern/Duo Modern		✓
Plain		✓
Vessex	✓	

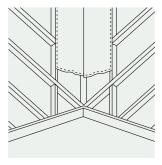
#### **ADVANTAGES**

- Dry fix, mortar-free system
- Durable GRP technology
- Simple and fast installation
- Can accommodate up to 20° pitch variance either side of valley
- Performs on pitches up to 60°
- lacktriangle Gives the appearance of a close cut roof

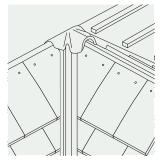
## Tell me more

PRODUCT INFORMATION Visit marley.co.uk/dryvalley or Tel 01283 722588

#### FIXING OVERVIEW





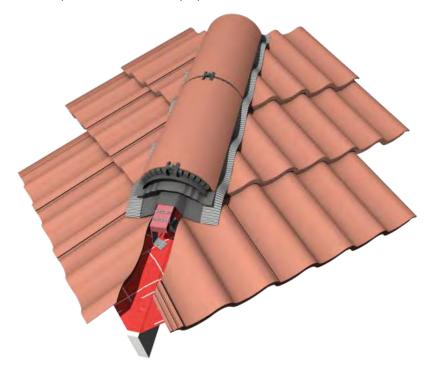


Tiles or slates cut to rake of valley

Valley systems FIND OUT MORE ◢ marley.co.uk 29

## UNIVERSAL HIPFAST SYSTEM

For use with all tiles and slates. Includes more components as standard to provide an effective dry hip.



#### ADVANTAGES

- ▲ Meets BS 5534 requirements and NHBC guidelines
- ▲ Meets BS 8612 requirements
- ▲ Highest grade aluminium flashing
- Hydrophobic membrane for maximum weather resistance
- Elastomeric membrane for easy installation and prevents rucking
- Bespoke batten brackets for anchoring to structure
- ▲ Can be used with all concrete tiles and slates
- Suitable with standard hip tiles



PRODUCT INFORMATION Visit marley.co.uk/hipfast or Tel 01283 722588

## BS 8612 COMPLIANT

43607

#### **KEY COMPONENTS**

	Code
Universal HipFast system (6m pack)	53400
comprising of:	

- Hip roll (6m)
- Hip batten brackets (6 No.)
- Ridge unions (13 No.) includes C-clips and tail clips



	Code
Tapered ridge filler (2 No.)* Also available separately	-
1m length hip support trays 715mm each (9 No.)	34002
RidgeFast/HipFast union pack (6 No. unions)	53003
100mm x 4 8mm deep ridge screw pack**	70000

\* For use with Modern ridge tiles only

Secret cut tile clip pack

\*\* For clay third round hips with profiled tiles Both pitches (either side of the hip ridge) must be within 5° of each other.

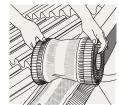
#### FIXING OVERVIEW







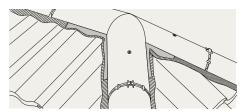
Fix hip batten



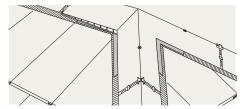
Roll out HipFast roll



Fix hip unions



Weathering of hip/ridge junction with lead saddle

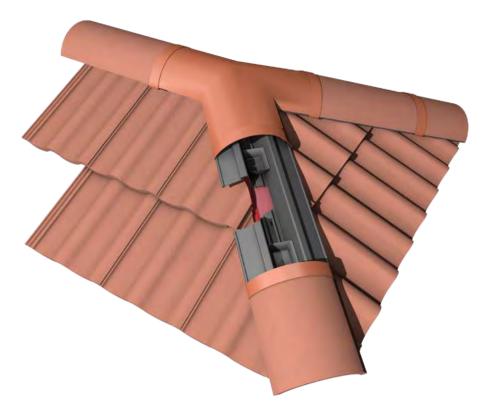


Weathering of hip/ridge junction with saddle

Hip systems FIND OUT MORE ◢ marley.co.uk 31

## **DRY HIP SYSTEM**

For use with all concrete interlocking tiles



#### **ADVANTAGES**

- Meets BS 5534 requirements and NHBC guidelines
- Simple fast installation
- Weathertight and maintenance free
- Can be used up to 45° pitch
- Can be used with all Marley concrete interlocking tiles
- Fully compatible with ventilated dry ridge system



PRODUCT INFORMATION Visit marley.co.uk/dryhip or Tel 01283 722588

#### **KEY COMPONENTS**

	Code	
Dry hip batten section	43300	Third rou
Dry hip batten section fixing kit		Third rou
(1 kit per 3m batten section)		
Low profile	54360	
High profile	54361	
Modern stop end hip tile	292	Third rou
		15-24°
		25-35°
		36-45°
Modern ridge union	4140*	* Suffix v
		For high
9)		Anglia, p
Modern hip apex cap		
15-24°	4381*	

	Code
Third round stop end hip tile	291
Third round ridge union	4350
Third round hip apex cap	
Third round hip apex cap 15-24°	4371*
Third round hip apex cap 15-24° 25-35°	4371* 4372*

profile tiles, including Mendip, Wessex and please speak to our technical advisory service.

#### FIXING OVERVIEW

25-35°

36-45°



Locate hip batten section between cut tiles



4382\* 4383\*

Insert closed cell foam rubber slip at hip/ridge junction



Locate block end hip tile and assembly

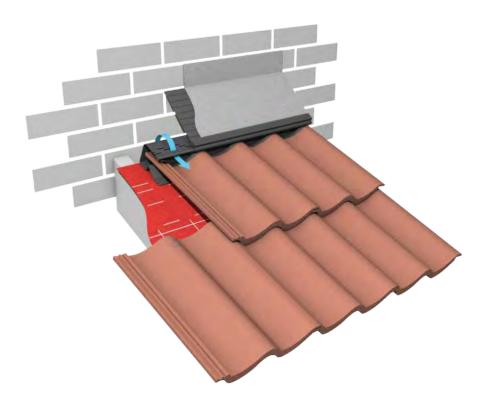


Secure apex junction cap with hip/ridge unions

Hip systems FIND OUT MORE / marley.co.uk 33

## TOP ABUTMENT VENTILATION SYSTEM

For use with all large format interlocking tiles



#### **KEY COMPONENTS**

	Code
Batten section (3m)	
High profile‡	41201
Low profile†	41101
Steep pitch batten section (45-55°, 3m High profile‡	n) 41202
Low profile†	41102
Lead support strip	42505

	Code
Fixing kit (6m)	41000
Filler units	
Double Roman (vented)	42105
Ludlow Major (vented)	41601
Ludlow Plus (vented)	41508
Mendip (vented)	41701
Wessex (vented)	41901
Anglia (vented)	41506
Modern/Edgemere/Ashmore (vented)	41501
Lincoln	42107

- \* Suffix with colour code: 01 Grey, 03 Brown, 04 Terracotta
- ‡ For Double Roman, Mendip, Wessex and Anglia
- † For Ashmore, Edgemere range, Modern, Duo Modern, Ludlow Plus and Ludlow Major

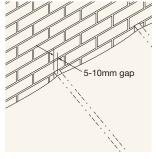
#### **ADVANTAGES**

- ▲ Provides ventilation for lean-to roofs
- Completely dry fixed
- Provides continuous 5mm ventilation along abutment
- Provides eaves-to-abutment ventilation when used with universal eaves system

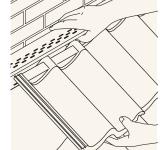


PRODUCT INFORMATION Visit marley.co.uk/abutment or Tel 01283 722588

#### FIXING OVERVIEW







Insertion of profiled tiles into batten section



Finish by dressing lead onto lead support strips

Abutment systems FIND OUT MORE ◢ marley.co.uk 35

### FLEXFAST LEAD REPLACEMENT ROLL

For use with all tiles and slates.



#### **ADVANTAGES**

- Cost-effective when compared with lead
- No likelihood of theft
- ▲ Lighter and easier to use than lead
- ▲ No need for specialist lead installers
- Flexible and stretchable, up to 60% elasticity
- Strong, adhesive butyl backing



PRODUCT INFORMATION Visit marley.co.uk/abutment or Tel 01283 722588

#### PRODUCT COMPOSITION



#### **KEY COMPONENTS**

MA42611 MA42610

Lead replacement roll 5m x 450mm x 1.7mm 5m x 300mm x 1.7mm

01/

Textured UV-resistant aluminium sheet

02

Aluminium reinforced mesh

03/

Adhesive butyl layers

04/

Centre-divided protective film

#### FIXING OVERVIEW (CHIMNEY FLASHING SHOWN)



Fit chimney flashing at eaves of abutment



Form the material and cut to shape required



Remove protective film

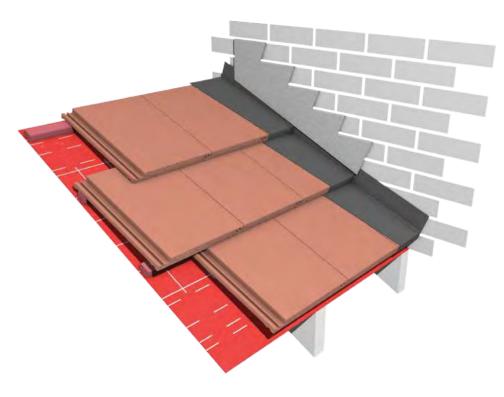


Stretch lead replacement roll to shape if necessary and press to fit snugly and securely over all surfaces.

Abutment systems FIND OUT MORE ◢ marley.co.uk 37

## DRY FIX SOAKERS

For use with Modern, Edgemere and Ashmore interlocking tiles, clay and concrete plain tiles



#### **ADVANTAGES**

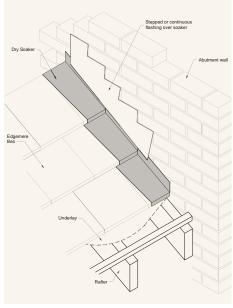
- Easy-to-install and lightweight
- Completely dry fixed
- ▲ Reduces requirement for expensive lead



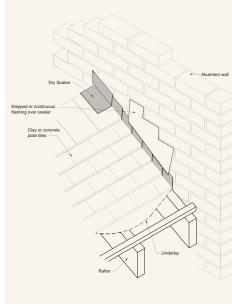
PRODUCT INFORMATION Visit marley.co.uk/abutment or Tel 01283 722588

#### **KEY COMPONENTS**

	Code		Code
Modern dry soakers Left hand (10pk) Right hand (10pk)	MA30476 MA30477	Ashmore dry soakers Left hand (10pk) Right hand (10pk)	MA30472 MA30473
Edgemere dry soakers Left hand (10pk) Right hand (10pk)	MA30474 MA30475	Clay or concrete plain tile dry soakers Left hand (10pk) Right hand (10pk)	MA30478 MA30479



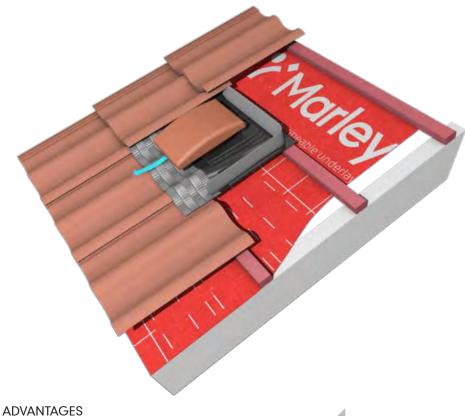
Edgemere abutment with dry fix soakers



Clay or concrete plain tile abutment with dry fix soakers

## UNIVERSAL TILE VENT TERMINAL

For use with large format interlocking tiles, 15 x 9 interlocking tiles and Maxima clay pantile



- Ideal for natural, mechanical or soil pipe ventilation
- Weatherproof, tough and durable
- Suitable for large format interlocking tiles, 15' x 9' interlocking tiles and Maxima clay pantile
- ▲ 15,000mm² free area of ventilation
- Choice of 3 colours
- Minimum pitch 20°

## Tell me more

PRODUCT INFORMATION Visit marley.co.uk/tilevent or Tel 01283 722588

#### **KEY COMPONENTS**

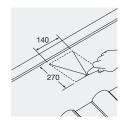
		Code
Universal tile vent ter	minal	
Grey		36700
Brown		36703
Terracotta		36704
Flexible pipe*		
(ID 110mm)		39091

<sup>\*</sup> Universal tile vent terminal must be used in conjunction with flexible pipe only. Minimum pitch 20°.

#### PRESSURE RESISTANCE VALUES

Pa (litres/sec airflow)	15	30	60
15,000mm² free area	35	48	67

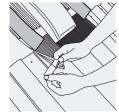
#### FIXING OVERVIEW



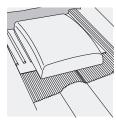
Form a 'V' shaped cut in the underlay



Fold up and secure the underlay as shown



Ensuring good seal between Universal tile vent terminal and tiles

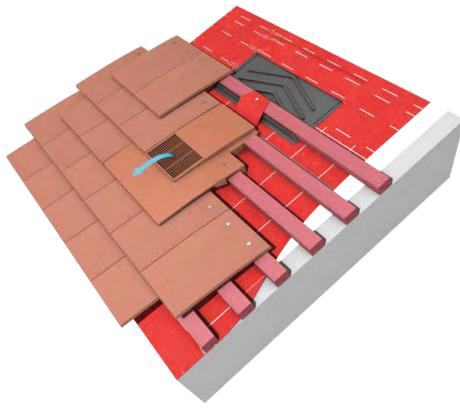


Finishing tiling and creating a weatherproof seal

Roof slope systems 

## **CONTOUR IN-LINE VENTS**

For use with all plain tiles and concrete interlocking tiles



#### **ADVANTAGES**

- ▲ Almost invisible from ground level
- Ideal for mid slope roof ventilation
- Internal spigot for connection to mechanical extract or soil pipe ventilation

Contour vents have a minimum pitch of 22.5°

## Tell me more

PRODUCT INFORMATION
Visit marley.co.uk/ventilation
or Tel 01283 722588

#### **KEY COMPONENTS**

	Code		Code
Universal Plain contour tile vent terminal*	455*	Ludlow Major contour tile vent terminal	36700 36703
Edgemere contour tile vent terminal	465	Ludlow Plus contour tile vent terminal	36704
Mendip contour tile vent terminal	452	Double Roman contour tile vent terminal	,
Modern contour tile vent terminal	451	Ashmore contour tile vent terminal	
Anglia contour tile vent terminal	460	Flexible pipe* (ID 110mm)	39097
Wessex contour tile vent terminal	459	U	

<sup>\*</sup> Minimum pitch of 35° for plain tiles governed by minimum pitch of tile

#### FIXING OVERVIEW



Make aperture in underlay using template



Secure soaker tray

#### PRESSURE RESISTANCE VALUES

Tile	Ventilation free area	15	30	60
Anglia	15,000 mm²	8.3	33.2	132.0
Ashmore	10,000 mm²	18.0	32.0	95.9
Double Roman	13,500 mm²	7.3	29.7	120.9
Edgemere	10,000 mm²	7.5	25.0	87.0
Ludlow Major	11,000 mm²	9.1	36.3	144.3
Ludow Plus	15,000 mm²	9.6	38.0	149.9
Mendip	14,500 mm²	7.7	31.0	124.8
Modern	10,000 mm²	7.9	31.2	122.5
Plain	10,000 mm²	13.6	53.7	211.0
Wessex	12,500 mm²	6.8	28.2	115.8

Roof slope systems FIND OUT MORE ◢ marley.co.uk 43

## TILE VENTILATION TERMINALS

For use with large format concrete interlocking tiles including Ashmore

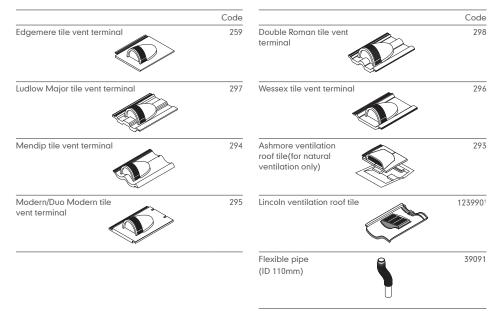


#### **ADVANTAGES**

- Wide range of colours and finishes
- Ideal for natural, mechanical or soil pipe ventilation



#### **KEY COMPONENTS**



<sup>†</sup> Rustic red - 123991

#### FIXING OVERVIEW



Make aperture in underlay using template

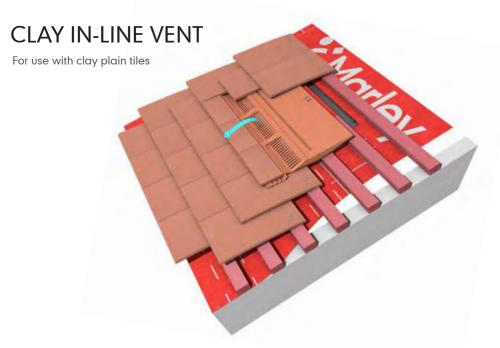


Secure soaker tray

#### PRESSURE RESISTANCE VALUES

Tile	Ventilation free area	15	30	60
Ashmore	4,500 mm²	-	-	-
Double Roman	7,614 mm²	6.5	24.8	89.1
Edgemere	7,081 mm²	7.6	28.6	106.7
Ludlow Major	7,665 mm²	6.7	24.3	88.4
Mendip	7,107 mm²	7.6	27.9	101.7
Modern	7,081 mm²	7.6	28.6	106.7
Wessex	6,929 mm²	7.9	29.7	110.6

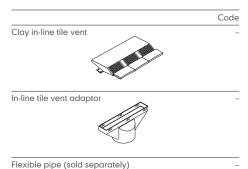
Roof slope systems FIND OUT MORE ◢ marley.co.uk 45



#### **ADVANTAGES**

- Real clay tile slips provide visual integration on roof slope
- 7,500mm² free area of ventilation
- Ideal for natural, mechanical or soil pipe ventilation

#### KEY COMPONENTS



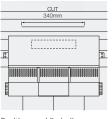
#### PRESSURE RESISTANCE VALUES

Pa (litres/sec airflow)	15	30	60
7,500mm² free area	17.0	66.8	265.0

#### FIXING OVERVIEW



Mark throat position and cut underlay



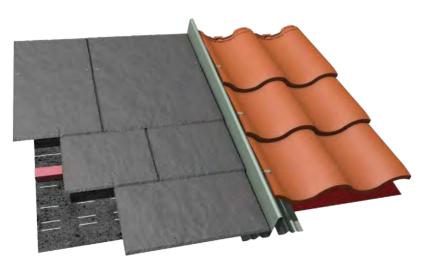
Position and fix in-line vent unit

## Tell me more

PRODUCT INFORMATION
Visit marley.co.uk/ventilation
or Tel 01283 722588

## **BONDING GUTTERS**

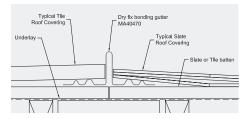
For use with all tiles and slates.



#### **ADVANTAGES**

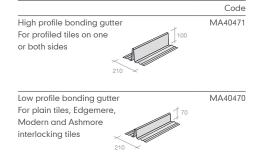
- Low and high profile units for a range of tile types
- Quick and easy to install
- GRP material negates the requirement for expensive lead
- Completely dry fixed no need for mortar
- ▲ Neat aesthetics

#### FIXING OVERVIEW



Typical standard installation showing low profiled interlocking tiles abutting slates, using MA40470

#### **KEY COMPONENTS**

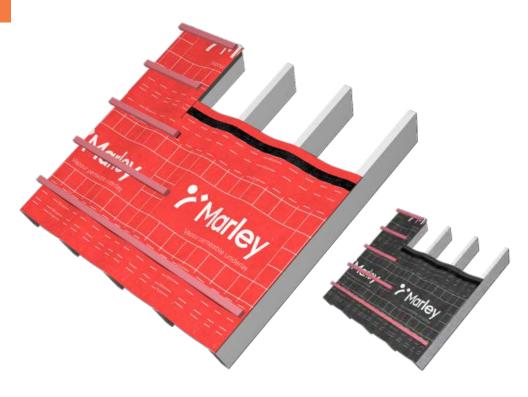


## Tell me more

PRODUCT INFORMATION Visit marley.co.uk/dryfix or Tel 01283 722588

## **UNIVERSAL UNDERLAYS**

Available to suit all tiles and slates. Use in conjunction with Universal eaves vent systems or felt support tray at all gutter details.



#### MINIMUM OVERLAPS

Vapour p	permeable und	lerlay (weight	170 gsm)	
Roof pitch (°)	Horizontal Id	Horizontal laps (mm)		
	Not fully supported	Fully supported		
12.5 - 14	225	150	100	
15 - 34	150	100	150	
35+	150	75	100	

Non-bre	eathable unde	rlay (weight 1	16 gsm)
Roof pitch (°)	Horizontal laps (mm)		Vertical laps (mm)
	Not fully supported	Fully supported	
12.5 - 14	225	150	150
15 - 34	150	100	150
35+	150	75	150

#### **KEY COMPONENTS**

	Code
Universal vapour permeable underlay	MA33150
Universal non-breathable underlay	MA33145

#### **ADVANTAGES**

- Compliant in all zones 1-5 at both 250mm and 354mm gauge
- Integral tape for strong tight durable joints, for quicker installation and piece of mind
- BBA approved
- High tensile and tear strength
- Suitable for wall and roof applications
- Durable
- UV resistant
- Guidance lines for minimum laps

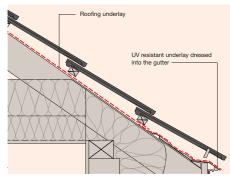


PRODUCT INFORMATION Visit marley.co.uk/underlays or Tel 01283 722588

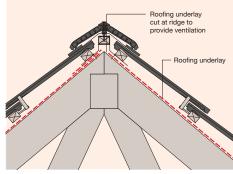




#### FIXING OVERVIEW





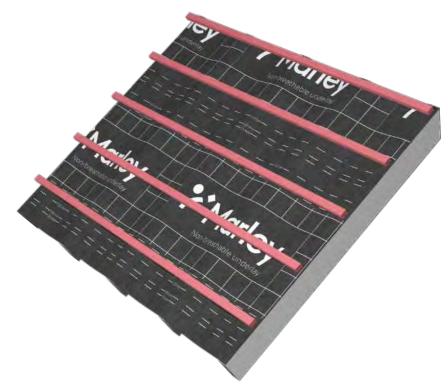


Installation at ridge

Base layers FIND OUT MORE ◢ marley.co.uk 49

### JB RED BATTENS

JB Red is a high quality roofing batten and the first fully pre-graded batten available to the roofing industry.



#### **ADVANTAGES**

- ▲ Marked according to BS 5534 showing supplier name, origin/species, grade (BS 5534) and size
- of BS 5534 for roofing battens
- UKAS third party assessed by the BBA
- ▲ LABC registered and is approved for use by local authorities
- Manufactured from slow grown, high grade timber
- FSC® or PEFC™ certified
- Class 2 using MicroPro® against wood rotting fungi and insect attack
- ▲ 60 year lifetime guarantee against insect attack and wood rotting fungi (when installed correctly in accordance with the requirements of Usage Class 2)

#### **BATTEN SIZES**

Batten size	Pieces per bundle	Bundles per pack	Pieces per pack
25 x 38mm	10	56	560
25 x 50mm	10	44	440

#### **BATTEN END CLIP**

Ensures positive and secure fixing of Universal verge units when fixed to any batten end.

- ▲ BS 8612 compliant
- Multiple serrations create nail-free, secure fixing to battens
- Zinc coated aluminium, one piece construction - robust and durable
- ▲ Fixing hole array allows secure, quick and easy fixing to the batten end



## Tell me more

PRODUCT INFORMATION Visit marley.co.uk/jbred or Tel 01283 722588

#### JB SPECIALITY BATTENS

Marley offer a full range of roofing timbers above truss or rafter level, all of which are treated with MicroPro®.











Counter batten

Drip batten





Base layers

## **BS 5534 SOLUTIONS**

BS 5534 is the British Standard for Slating and Tiling and provides the industry with guidance on best practice relating to the installation of roofs.



Contained within it is a vast array of information, ranging from batten selection, to methods of fixing, through to wind uplift formulas, which provide manufacturers like us with a means of calculating fixing specifications.

#### **BS 5534 KEY FACTORS**

With extreme weather events such as gale force winds, driving rain and flooding on the rise and placing more strain on the UK roofscape than ever before, the standard was radically improved in 2014.

Critically, the changes now require mechanical fixing of all fittings, even if mortar bedded, and increased levels of tile fixings, especially clipping.

#### **QUALITY AS STANDARD**

With the new BS 8612 now in force, quality is more important than ever.

Although dry fix products and systems have been common place for many years, not all perform to the same level. Marley dry fix systems are thoroughly tested and offer superior mechanical fixing, durability and performance when compared to other systems.



## **BS 8612 SOLUTIONS**

BS 8612: 2018 is a new British Standard that specifies the performance requirements and methods of test for a number of dry fixed sytems and components.

Marley is widely recognised as one of the early pioneers of the dry fix industry, developing some of the first highperformance purpose-made systems.

## OFFERING CHOICE WHIST MAINTAINING QUALITY

Whilst many purpose-made systems are still popular today as part of single-source system specifications, there has been an industry-wide move towards complete kit solutions, popular with merchant distributors because of their compatibility with a range of tile and slate types. Marley offers both of these options with our purpose-made and Universal kit ranges.

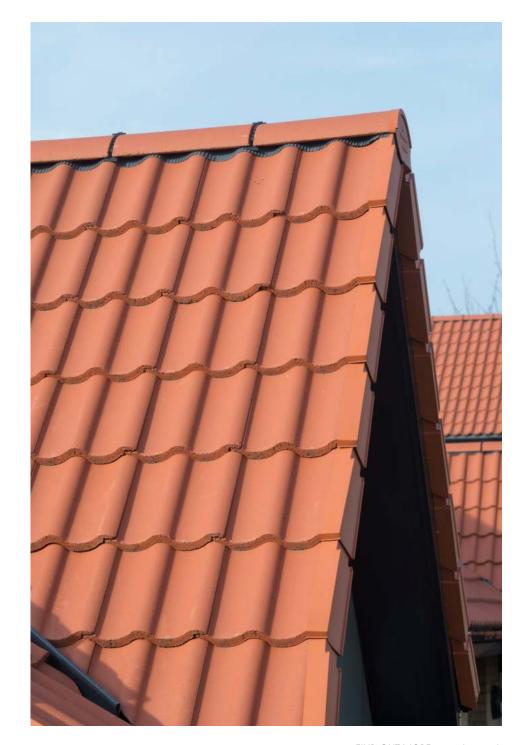
Exponential growth in the dry fix market – fuelled by recent changes to industry standards and guidelines – has resulted in a huge array of options for specifiers and installers for dry fix products. Consequently, there are now sufficient numbers of competing systems (of varying performance and quality), as to warrant the introduction of a new British Standard, which ensures minimum performance requirements and introduces a recognised standard for the dry fix industry.



#### BS 8612 KEY FACTORS

This new standard sets out the key quality and performance criteria and test methods for dry-fixed roof systems under six essential requirements.

- ▲ Material specification and durability
- Mechanical resistance
- Ventilation for ridge and hip systems
- ▲ Rain performance
- Geometric characteristics
- Marking, labelling and installation instructions



BS 8612 SOLUTIONS FIND OUT MORE ◢ marley.co.uk

### **BS 5250 VENTILATION GUIDANCE**

### COLD ROOFS

#### **KEY TO ILLUSTRATIONS**

Warm Air



Low resistance underlay

High resistance underlay

— Sarking

#### NORMAL CEILING

A ceiling where no attempt has been made to seal all gaps or 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.

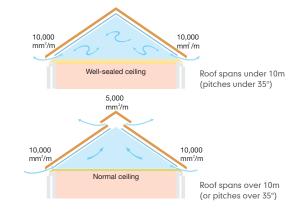
No access door or hatch should be located in rooms where large amounts of moisture are produced, including kitchens or bathrooms.

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.

#### **ROOFS WITH A WELL-SEALED CEILING**

## Bituminous felts and vapour impermeable underlays (high resistance)

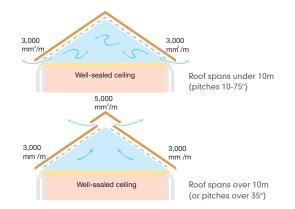
The ventilation requirements for cold roofs with vapour impermeable underlays and 'well-sealed ceilings' are the same as for those without. Installing a 'well-sealed ceiling' will make the roof more energy efficient because airtightness will have prevented heat loss through convection. Heat loss due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



## Vapour permeable underlays (low resistance)

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

However, where a close fitting roof covering is used, the batten space should be ventilated in accordance with BS 5250 using counterbattens.



#### Fully breathable underlays

The British Standard mainly distinguishes between two types of underlay: high resistance (HR) impermeable and low resistance (LR) vapour permeable. However, there are some manufacturers of low resistance underlays that claim their products are fully breathable, negating the requirement for ventilation as set out in the British Standard.

There are a number of factors to consider before using any type of low resistance underlay, including:

- 1. How well-sealed the ceiling is
- 2. Whether a close-fitting roof covering is being used
- 3. Obstructions in the roof space

In all circumstances, Marley recommend the use of additional ventilation when using any type of low resistance underlay.

This can be achieved through the use of ventilated eaves and ventilated ridge systems.

#### Close fitting coverings

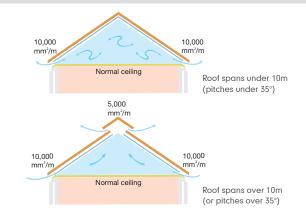
When specifying a close fitting covering which is relatively airtight (such as fibre cement slates), there is a risk of interstitial condensation forming on the underside of the underlay and the external covering.

To avoid this risk, the batten space should be ventilated in accordance with BS 5250 using counterbattens.

#### **ROOFS WITH A NORMAL CEILING**

## Bituminous felts and vapour impermeable underlays (high resistance)

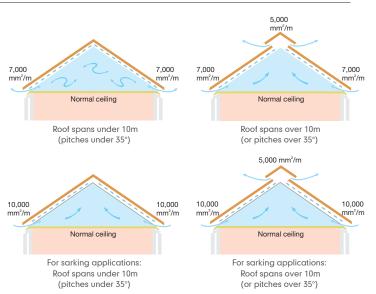
Ventilation of the loft space under a traditional bituminous felt or non-vapour permeable underlay has proven to be an effective and robust solution when used with suitable high and low level ventilation.



## Vapour permeable underlays (low resistance)

The use of a low resistance underlay can reduce the requirement for ventilating the roof space. On fully boarded roofs, i.e. sarking, low resistance underlays should be treated as impermeable and the roof space below ventilated in accordance with the high resistance underlay requirements described above.

Where a close-fitting roof covering has been used, the batten spacing should be ventilated in accordance with BS 5250 using counterbattens.



### **BS 5250 VENTILATION GUIDANCE**

### WARM ROOFS

#### key to illustrations



Cold Air

Low resistance underlay

High resistance underlay

Sarking

#### WARM PITCHED ROOF WITH HR UNDERLAY

In roofs with an HR underlay, whatever form of external covering or ceiling is provided, there is a risk of interstitial condensation forming on the underside of the HR underlay. To avoid that risk, an AVCL (air vapour control layer) should be provided on the warm side of the insulation and ventilated voids should be formed between the underside of the underlay and the insulation. Each void should be at least 25mm deep and vented at both high and low level.

#### WARM PITCHED ROOF WITH IR UNDERLAY

In warm pitched roofs with LR underlay, an AVCL should be provided at the ceiling line.

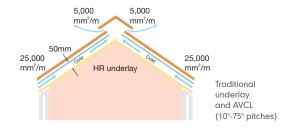
If the external covering is sufficiently permeable, it will allow vapour to be released and no ventilation of the batten space is recommended.

If it is not practicable to provide an AVCL, there might be some risk of interstitial condensation forming on the underside of the underlay. To avoid the risk, ventilated voids should be provided.

#### **ROOFS WITH AVCL**

#### 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 those without. Installing a 'well-sealed ceiling' will make the roof more energy efficient because airtightness will have prevented heat loss through convection. Heat loss due to low speed air currents over the cold side of the insulation (caused by ventilation) is negligible.



#### Vapour permeable underlays (low resistance)

Where an AVCL has 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.

An AVCL is essential on the warm side of the insulation. If there is any doubt about the ability to provide and maintain an effectively sealed AVCL, then ventilation should be provided as if the underlay were impermeable.



#### Fully breathable underlays

The British Standard mainly distinguishes between two types of underlay: high resistance (HR) impermeable and low resistance (LR) vapour permeable. However, there are some manufacturers of low resistance underlays that claim their products are fully breathable, negating the requirement for ventilation as set out in the British Standard.

There are a number of factors to consider before using any type of low resistance underlay, including:

- 1. How well-sealed the ceiling is
- 2. Whether a close-fitting roof covering is being used
- 3. Obstructions in the roof space

In all circumstances. Marley recommend the use of additional ventilation when using any type of low resistance underlay.

This can be achieved through the use of ventilated eaves and ventilated ridge systems.

#### Close fitting coverings

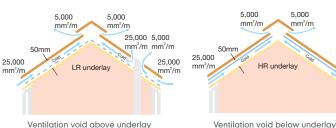
When specifying a close fitting covering which is relatively airtight (such as fibre cement slates), there is a risk of interstitial condensation forming on the underside of the underlay and the external coverina.

To avoid this risk, the batten space should be ventilated in accordance with BS 5250 using counterbattens.

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#### **ROOFS WITH A CLOSE-FITTING ROOF COVERING**

For warm roofs with a closefitting roof covering, ventilation will be required either above or below the underlay, dependent on the underlay type.



Warm roof ventilation FIND OUT MORE **⊿** marley.co.uk



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