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## **ROOFING ACCESSORIES**

### **1.1 Roofspace Ventilation**

#### **1.1.1 Protect Fulmetal RediRoll**

Protect Fulmetal RediRoll is a universal dry fixed ventilated ridge and hip system, produced in the UK. Manufactured from aluminium, the product overcomes the durability and weathering issues associated with fabric based systems.

Product to be 300mm wide coming in roll length of 6m. Product to be grey or terracotta to suit the roof tile covering with a butyl strip on the underside to fix to roof covering.

The ventilated system should be suitable for all ridge and hip tiles and all roof tiles and slates. Product to supply 5,000mm<sup>2</sup>/m of ventilation to comply with ventilation requirements stated in BS

5250 and Building Regulations Approved document C2. Product to have a unique weatherproof design to be driving rain resistant, avoiding the need for ridge unions. Product to have a stainless steel clip system ensuring mechanical fixing to the ridge tiles and correct spacing for an even appearance, in compliance with Dry Fix Standard requirements BS 8612:2018. The product's all aluminium construction should be rot-proof with a design life of 30 years.

Product to be used with a Type LR roofing underlay to provide a complete cold roof solution and comply with BS 5250. Product to be used as ridge ventilation when a Type HR membrane is used in both warm and cold roof applications, allowing for the 5,000mm<sup>2</sup>/m requirement stated in BS 5250. Product to be fixed in accordance with manufacturer's fixing instructions.

**Manufacturer:** Glidevale Protect, a division of Building Product Design, 2 Brooklands Road, Sale, Cheshire, M33 3SS, United Kingdom. Tel: +44 (0)161 905 5700, Fax: +44 (0)161 905 2085. E-mail: [info@protectmembranes.com](mailto:info@protectmembranes.com) Website: <http://www.protectmembranes.com/fulmetalrediroll> STA Assured Gold accredited company and associate members of the Structural Timber Association and the Modular and Portable Build Association.

Product Reference: Protect Fulmetal Rediroll ventilated dry ridge/hip system.

## Accessories

### Protect VP400:

Protect VP400 Plus LR is a highly vapour permeable roof underlay, produced in the UK. A 'Type LR' underlay, it offers low vapour resistance to exceed BS 5250 requirements whilst remaining completely airtight. Protect VP400 PLUS LR is CE marked and independently approved by BM TRADA, with a Q Mark certification and is suitable for use in all pitched roofs. Resistance to wind uplift: unrestricted use across the UK and Ireland (Zones 1-5) in accordance with BS 5534:2018.

### Protect Zytec:

Protect Zytec is a highly vapour permeable roof underlay, produced in the UK. A 'Type LR' underlay, it offers low vapour resistance to exceed BS 5250 requirements whilst remaining completely airtight. Protect Zytec is CE marked and independently approved by BM TRADA, with a Q Mark certification and is suitable for use in all pitched roofs. Resistance to wind uplift: Zones 1-4 in accordance with BS 5534:2018.

### Protect VP300:

Protect VP300 is a highly vapour permeable roof underlay, produced in the UK. A 'Type LR' underlay, it offers low vapour resistance to exceed BS 5250 requirements whilst remaining completely airtight. Protect VP300 is CE marked and independently approved by BM TRADA, with a Q Mark certification and is suitable for use in all pitched roofs. Resistance to wind uplift: Zones 1-3 in accordance with BS 5534:2018.

### Protect Rica VP Lite:

Protect Rica VP Lite is a highly vapour permeable roof underlay, produced in the UK. A 'Type LR' underlay, it offers low vapour resistance to exceed BS 5250 requirements whilst remaining completely airtight. Protect Rica VP Lite is CE marked and independently approved by BM TRADA, with a Q Mark certification and is suitable for use in all pitched roofs. Resistance to wind uplift: Zone 1 in accordance with BS 5534:2018.

### **Protect A1 T3:**

Protect A1 T3 is an impermeable roof underlay, produced in the UK. A 'Type HR' underlay, it offers high vapour resistance and complete airtightness and developed to overcome the disadvantages of Type 1F and 5U felts and second generation plastic sheet materials. Protect A1 T3 is CE marked and is suitable for use in all pitched roofs. Resistance to wind uplift: unrestricted use across UK and Ireland (Zones 1-5) in accordance with BS 5534:2018.

### **Protect A1:**

Protect A1 is a third generation impermeable roof underlay, produced in the UK. A 'Type HR' underlay, it offers high vapour resistance and complete airtightness and developed to overcome the disadvantages of Type 1F and 5U felts and second generation plastic sheet materials. Protect A1 is CE marked and independently approved by BM TRADA, with a Q Mark certification and is suitable for use in all pitched roofs. Resistance to wind uplift: unrestricted use across UK and Ireland (Zones 1-5) in accordance with BS 5534:2018.

### **Protect Wunderlay:**

Protect Wunderlay is an impermeable roof underlay, produced in the UK. A 'Type HR' underlay, it offers high vapour resistance and complete airtightness and developed to overcome the disadvantages of Type 1F and 5U felts and second generation plastic sheet materials. Protect Wunderlay is CE marked and independently approved by BM TRADA, with a Q Mark certification and is suitable for use in all pitched roofs. Resistance to wind uplift: Zones 1-4 in accordance with BS 5534:2018.

## **1.2 Lead Alternatives**

### **1.2.1 Protect AluFlash**

Protect AluFlash is an environmentally-friendly, aluminium based alternative to lead, used as a weathering flashing material for buildings, incorporating all the useful features of lead but eliminating those that are undesirable. Protect AluFlash is independently approved by BM TRADA, with a Q mark certification and is produced in the UK with a design life of 30 years.

The product should comprise of a solvent lacquer coated aluminium sheet material with a self-adhesive butyl backing for adhesion to roof coverings or masonry. The product is available in embossed flat or cross corrugated versions depending on the application.

The cross-corrugated finish should be designed for use where flashing has to be moulded over and around complex shapes such as profiled roof tiles and corner junctions. The cross-corrugation pattern should allow the lead alternative flashing to curve and bend in more than one direction at once. The embossed flat finish should be designed for applications requiring less complex shaping such as pitched roof valleys, secret gutters, soakers for slates and double-lap tiles, and box gutters. Product should include integral self-adhesive backing to eliminate risk of wind uplift and potential water penetration. Product to come in widths of; 150mm, 200mm, 250mm, 300mm, 350mm, 400mm, 450mm, 500mm, and 600mm in lengths of 5m. Product to be 4.1mm thick when cross-corrugated and 0.65mm when embossed.

Product to be non-toxic with no potential hazards for installers and no contamination of run-off water making it suitable in rainwater harvesting systems. Product to be 6% of the weight of code 4 lead, to provide health and safety benefits. Product to be AA fire rated, enabling unrestricted use.

**Manufacturer:** Glidevale Protect, a division of Building Product Design, 2 Brooklands Road, Sale, Cheshire, M33 3SS, United Kingdom. Tel: +44 (0)161 905 5700, Fax: +44 (0)161 905 2085. E-mail: [info@protectmembranes.com](mailto:info@protectmembranes.com) Website: [www.protectmembranes.com/alufash](http://www.protectmembranes.com/alufash) STA Assured Gold accredited company and associate members of the Structural Timber Association and the Modular and Portable Build Association.

Product Reference: Protect AluFlash lightweight lead-free alternative flashing.

## Accessories

### AluFlash Dressing Tool:

Dressing tool to ensure good contact is made between AluFlash and the substrate especially at edges.

### AluFlash Primer and Sealant:

Primer and sealant for preparation of highly porous, dusty or flaky surfaces.

## 1.3 Underlay Protectors

### 1.3.1 Protect OFV Eaves Skirt

The Protect OFV Eaves Skirt replaces both the underlay into the gutter and the traditional tilting fillet and will not rot in the gutter unlike bitumen derivatives. Used to avoid sagging and ponding of the underlay behind the fascia and ensure correct water discharge into the gutter.

Eaves skirt to be manufactured from robust UV stabilised PVC-U construction and designed to resist impact and UV degradation over time. Eaves skirt to be designed to be suitable for new build and refurbishment applications with the ability to be used in conjunction with fascia vents or fixed directly onto the fascia board. Product to provide a flexible design to allow access to the fascia board for fitting gutter brackets.

Eaves Skirt to be compliant with Building Regulations Approved Document C and BS 5534. Product to be installed as per manufacturer's fixing instructions.

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Product Reference: Protect OFV Eaves Skirt.

## Accessories

### **Protect VP400:**

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### **Protect Zytec:**

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### **Protect VP300:**

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### **Protect Rica VP Lite:**

Protect Rica VP Lite is a highly vapour permeable roof underlay, produced in the UK. A 'Type LR' underlay, it offers low vapour resistance to exceed BS 5250 requirements whilst remaining completely airtight. Protect Rica VP Lite is CE marked and independently approved by BM TRADA, with a Q Mark certification and is suitable for use in all pitched roofs. Resistance to wind uplift: Zone 1 in accordance with BS 5534:2018.

### **Protect A1 T3:**

Protect A1 T3 is an impermeable roof underlay, produced in the UK. A 'Type HR' underlay, it offers high vapour resistance and complete airtightness and developed to overcome the disadvantages of Type 1F and 5U felts and second generation plastic sheet materials. Protect A1 T3 is CE marked and is suitable for use in all pitched roofs. Resistance to wind uplift: unrestricted use across UK and Ireland (Zones 1-5) in accordance with BS 5534:2018.

### **Protect A1:**

Protect A1 is a third generation impermeable roof underlay, produced in the UK. A 'Type HR' underlay, it offers high vapour resistance and complete airtightness and developed to overcome the disadvantages of Type 1F and 5U felts and second generation plastic sheet materials. Protect A1 is CE marked and independently approved by BM TRADA, with a Q Mark certification and is suitable for use in all pitched roofs. Resistance to wind uplift: unrestricted use across UK and Ireland (Zones 1-5) in accordance with BS 5534:2018.

### **Protect Wunderlay:**

Protect Wunderlay is an impermeable roof underlay, produced in the UK. A 'Type HR' underlay, it offers high vapour resistance and complete airtightness and developed to overcome the disadvantages of Type 1F and 5U felts and second generation plastic sheet materials. Protect Wunderlay is CE marked and independently approved by BM TRADA, with a Q Mark certification and

is suitable for use in all pitched roofs. Resistance to wind uplift: Zones 1-4 in accordance with BS 5534:2018.

## 1.4 Dry Verge Systems

### 1.4.1 Protect DV Slate Dry Verge

The Protect DV Slate Dry Verge system is mechanically fixed, and once installed provides complete and continuous cover over batten ends and slate tiles, protecting the verge from wind uplift and driving rain. For use with natural and artificial slates not exceeding 5mm thickness. The system is designed to overcome the problems of traditional mortar bedding verges, which may crack due to differential movement. Mortar will also crack and erode due to weathering and eventually fall away, leaving vulnerable slate edges exposed.

Dry verge system to be composed of extruded PVC-U edge sections in 2.44m lengths. Connectors and stop ends to prevent ingress of birds to be available separately, using injection-moulded polypropylene. All components are matt slate grey. Product to be self-draining with any rainwater which enters the system to be carried away from roof covering directly into the gutter. System allows for thermal movement: all fixing holes are slotted. System to be completely dry-fix and able to be installed in any weather. System to comply with Dry Fix Standard requirements BS 8612:2018. Product to be fixed mechanically as per manufacturer's instructions.

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Product Reference: Protect DV slate dry verge system.

#### Accessories

##### Eaves stop end:

Right and left hand stop ends to prevent entry of birds.

### 1.4.2 Protect Universal Dry Verge system

The Protect Universal Dry Verge system is compatible with all interlocking metric sized roof tiles and designed to overcome the problems of traditional mortar bedding, such as cracking and long term maintenance.

System to be composed of injection moulded and UV stabilised polypropylene and system to be ambidextrous for either right or left verges for ease of ordering and stockholding. Dry verge system to be available in black, brown or grey with a fixing mechanism to lock the unit in place whilst allowing lateral and vertical adjustment to accommodate differing roof tile profiles. Product to be compatible with batten gauges from 315mm to 345mm and to provide continuous cover over batten

ends and tiles to protect against wind uplift and driving rain. System to ensure weather protection with mechanical fixings, mitigating the need for adhesives and sealants. Product to be supplied with dry verge batten end clip fixing (available separately) to ensure compliance with Dry Fix Standard BS 8612: 2018. Product to be compliant with BS 5534 for mechanical fixing and complies with NHBC standards for pitched roofs. Product to be UV and heat resistant. Eaves closure to be available as a separate item to prevent entry of birds and large insects with angled ridge end caps and half round ridge end caps also to be available.

Product to be fixed mechanically as per manufacturer's instructions.

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Product Reference: Protect Universal dry verge system.

## Accessories

### Angled Ridge Cap:

Angled ridge cap to allow continuous coverage across the verge and limit water ingress.

### Half Round Ridge Cap:

Half round ridge cap to allow continuous coverage across the verge and limit water ingress.

### Dry Verge Batten End Clip:

Dry verge batten end clip to be used to comply with Dry Fix Standard BS 8612:2018.

### Eaves Closure

Eaves closure to prevent entry of birds and large insects into the verge system.

## 1.5 Protect GRP Products

### 1.5.1 Protect Universal Dry Fix Valley Trough

Protect Universal GRP Dry Fix Valley Trough is less dependent on site skills and offers a quicker and neater finish than traditional mortar bedding.

Valley trough to be manufactured with grey 1.2mm GRP in 3m lengths, with integral gel coat finish and with central weather bar to assist free drainage with secure protection against water ingress.

Universal dry fix valley to accommodate roof pitches from 17.5° and above and to be compatible with flat or profiled tiles and slates. Product to provide positive fix to valley with central weather bar to assist free drainage with secure protection against water ingress. Trough to be non-toxic and environmentally friendly with no potential hazards for installers and no contamination of run-off water. Product to be suitable for rainwater harvesting systems.

Dry fix valley trough to be fire resistant, with a designated AB fire rating to BS 476: Part 3: 2004.

To be mechanically fixed as per manufacturer's fixing instructions.

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Product Reference: Protect Universal Dry Fix Valley Trough.

### 1.5.2 Protect Univalley 125 Valley Trough

Protect Univalley 125 GRP Valley Trough provides a universal solution for valley detailing offering advantages of economy and performance over valley tiles, concrete troughs and lead valleys. Suitable for wet bedding with all concrete and clay roof tiles.

Valley trough to be manufactured with grey GRP in 3m lengths, with gel coat finish for increased durability, with a 125mm wide clear water channel and incorporate water slew prevention bar, water checks, mortar retention check and resin bonded mortar grips.

Valley trough to be compatible with either slates or tiles with a 125mm clear water channel to ensure optimum performance, in accordance with tests undertaken by Brunel University that shows that a clear water channel of 125mm is necessary for roof drainage areas greater than 25 square metres. Product to feature integral mortar retention check, to hold 'green' mortar preventing slippage into open valley during fixing with resin bonded wide mortar grips to ensure maximum adhesion for mortar. Product to be tested to enhance water discharge allowing use with dissimilar roof pitches up to 15° difference.

Product to meet Brunel University requirements and have a designated AB fire resistance rating to BS 476: Part 3:2004.

To be mechanically fixed as per manufacturer's fixing instructions.

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Product Reference: Protect Univalley 125 Valley Trough.

### 1.5.3 Protect Universal Bonding Strip



The Protect Universal GRP Bonding Strip provides even greater protection at the junction between old and new roofing on semi-detached or terraced properties. The design incorporates many features to provide an effective and economical solution to the problem of weathering the junction at party walls when properties are re-roofed at different times with incompatible materials. Universal design can be fitted with any combination of double lap or interlocking slates, clay or concrete tiles.

Bonding strip to be manufactured with grey GRP in 3m lengths, with gel coat finish for increased durability and to incorporate a gutter channel 75mm wide with 20mm upstands, 10mm secondary storm bars and mortar channels with resin bonded mortar grips.

Product to feature integral mortar retention check to hold 'green' mortar and prevent slippage into open gutter during fixing. Bonding strip incorporates a 'gel' coat, proven to provide increased durability. Bonding strip to have independent mortar fixing positions which are resin bonded for maximum adhesion and allow for differential movement between dissimilar roof materials. Product to incorporate dry fix option so slates can be dry fixed without the risk of water penetration.

Product to be designed to prevent battens being carried over division wall. Meets requirement of BS 8000 for firebreak walls. Bonding strip to have an AB fire resistant rating to BS 476: Part 3: 2004 and be able to be used in a separation wall detail.

To be mechanically fixed as per manufacturer's fixing instructions.

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Product Reference: Protect Universal Bonding Strip.

## 1.6 Solar Terminals

### 1.6.1 G6 Solar Inlet Terminal

Protect G6 Solar Inlet Terminal has been designed to guarantee the integrity of the roof when cables and pipes are routed through the tiles/slates and roofing membranes and is suitable for solar panel installations.

Solar inlet terminal to be suitable for majority of single lap interlocking tiles and also available for slates and plain tiles, with specific profiles being available to order. Product to allow user defined holes to be drilled to accommodate different cable/pipe diameters. Solar inlet terminal to be available in red, brown, grey, terracotta and red streak. Product to feature low profile cowl for installation under retro fit photovoltaic panels.

To be mechanically fixed as per manufacturer's fixing instructions.



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Product Reference: Protect G6 Solar Inlet Terminal.

