

## ROOF DEFENCE

Fire resistance performance for roofs, roof spaces and party walls



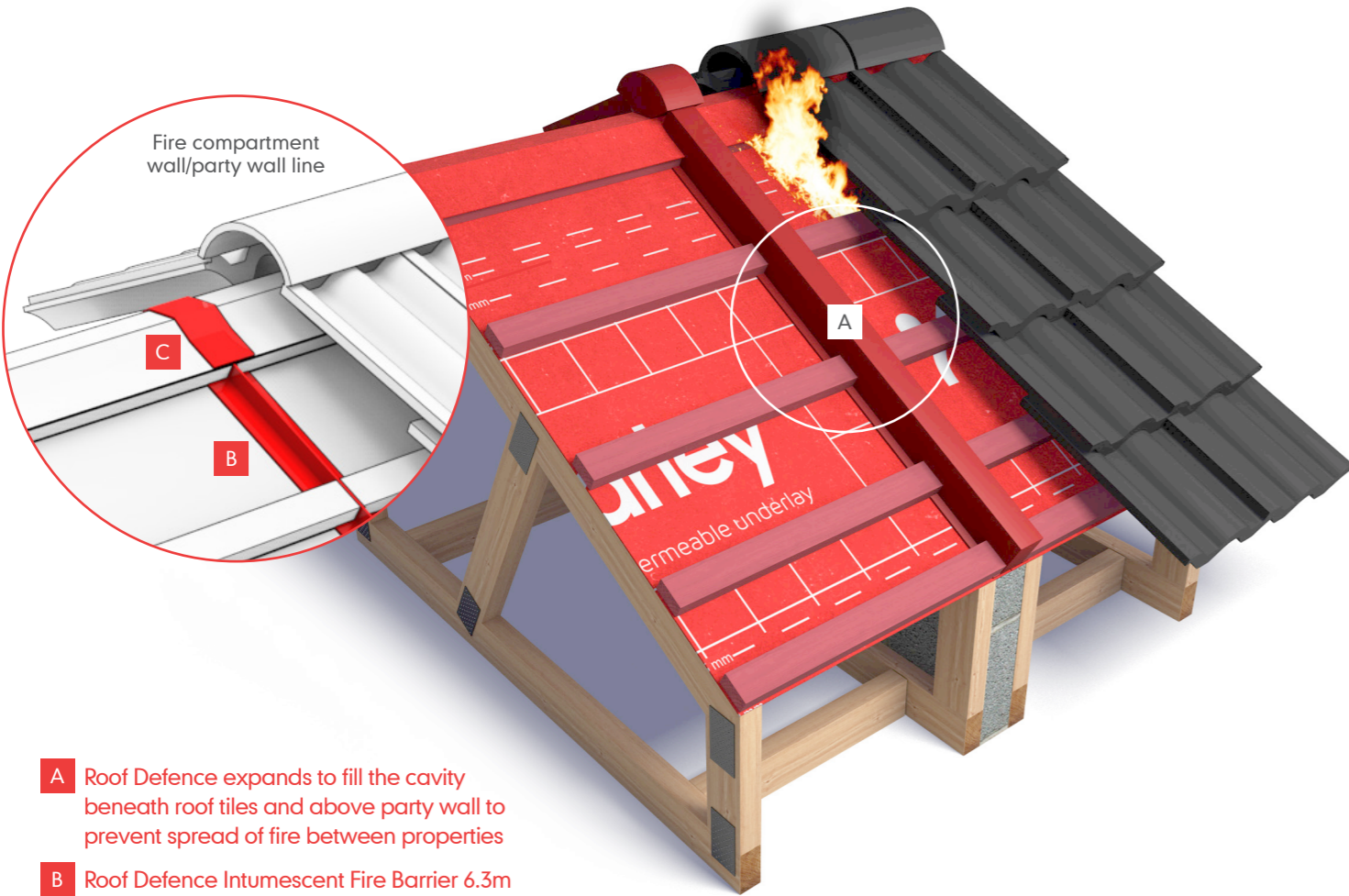
# Marley's Roof Defence firestops are designed to provide fire resisting performance between separate properties.

Roof Defence forms a fire-resistant barrier below the roof and ridge tiles – and above the party walls or spandrel panels below the roof covering – which separate different properties within roof spaces or provide lines of compartmentation, typically in attached or terraced housing.

Roof Defence is manufactured from low smoke zero halogen, highly intumescent flexible material.

## FIRE RESISTANCE

In the event of a fire Roof Defence intumescent material will expand to close the gap between the top of the wall/spandrel panel and the roof/ridge tiles, whilst also separating the roof batten and ridge tile timbers, providing effective fire resistance for 60 minutes, depending upon the non-combustibility of the roof covering (tiles) and the construction of the compartment/party wall.



- A** Roof Defence expands to fill the cavity beneath roof tiles and above party wall to prevent spread of fire between properties
- B** Roof Defence Intumescent Fire Barrier 6.3m
- C** Roof Defence Intumescent Ridge Cap

## ADVANTAGES

- ▲ Provides fire resistance performance up to 60 minutes
- ▲ Ideal for multi-home compartments/shared roof space buildings
- ▲ Tested using the general principles of BS EN 1363-1: 2020 with additional guidelines from TDG 19 (Nov 2017)
- ▲ Use category X, tested to ETAG 026-2, suitable for use in conditions of exposed weathering
- ▲ Tested for a maximum gap of 96mm
- ▲ Suitable for masonry stud wall construction\*
- ▲ Low profile design suitable for wide range of tile profiles
- ▲ Patent pending design
- ▲ Flexible and lightweight
- ▲ Quick and easy to install
- ▲ No special tools required
- ▲ Compact design (6.3m roll) for easy storage and handling
- ▲ Compatible with new and refurb solutions
- ▲ No maintenance required after installation



Roof Defence is provided in a roll format and covered with a protective layer of polythene for ease of handling and to protect from water.

## FIRE PERFORMANCE

in accordance with the principles of BS 1363-1:2020 with additional guidelines from ASFP TGD19:2017.

|  |   |
|--|---|
| <b>Party wall/spandrel panel</b> with appropriate minutes (EI) Fire Rating     | 100mm timber stud and plasterboard *spandrel panel                |
| <b>Roof covering (tiles)</b> with appropriate Fire Rating                      | Concrete profiled tiles 20mm thick                                |
| <b>Orientation</b>   | Following the line of compartmentation                            |
| <b>Maximum gap</b> between head of wall and underside of roof (tiles) covering | 96mm  |
| <b>Intumescent Fire Barrier product dimensions</b> Thickness x width x length  | Horizontal: 6mm x 100mm x 6300mm<br>Vertical: 4mm x 25mm x 6300mm |
| <b>Intumescent ridge cap product dimensions</b> Thickness x width x length     | 4mm x 100mm x 200mm<br>4mm x 100mm x 150mm<br>4mm x 25mm x 50mm   |
| <b>Product Fire Resistance Rating</b> Integrity (E)                            | 60 minutes  |
| <b>Tested system reports</b>   | Warrington Fire WF 421012 (2020)                                  |



\* Tested in conjunction with combustible breather membrane, timber battens and mechanical fixed ridge tiles (dry fix - no mortar)

## TECHNICAL DATA

|                                    | <b>Roof Defence Intumescent<br/>Fire Barrier 6.3m</b> | <b>Roof Defence Intumescent<br/>Ridge Cap</b> |
|------------------------------------|---|---|
| Product code                       | MA68020   | MA68010                                       |
| <b>MATERIAL PROPERTIES</b>         |   |   |
| Colour                             | Red   | Red   |
| Finish                             | PE  | PE  |
| Overall Nominal Thickness          | 10mm  | 12mm  |
| Length                             | 6.3 m   | 200mm   |
| Width                              | 100mm   | 100mm   |
| Nominal Weight                     | 2.8kg   | 145g  |
| Sleeve Material                    | PE  | PE  |
| Storage                            | Dry   | Dry   |
| Transportation storage temperature | 0-30°C  | 0-30°C  |
| Cuttability                        | Cut to length using scissors or knife                 | Do not cut                                    |
| Compressability                    | do not compress                                       | do not compress                               |
| Working Life                       | > 60 years  | > 60 years                                    |
| <b>CONSTRUCTION TYPE</b>           |   |   |
| Substrate / Base material          | Spandrel panel OR masonry                             | Spandrel panel OR masonry                     |
| Maximum Air Gap                    | 96mm  | 96mm  |
| <b>PHYSICAL PROPERTIES</b>         |   |   |
| Density                            | 615 kg/m <sup>3</sup>                                 | 615 kg/m <sup>3</sup>                         |
| Fungal Resistance                  | Protected by polythene sleeve                         | Protected by polythene sleeve                 |
| Halogen                            | Low   | Low   |
| Density                            | 630 kg/m <sup>3</sup>                                 | 630 kg/m <sup>3</sup>                         |
| Free Expansion                     | 30:1 ratio  | 30:1 ratio                                    |
| Activation Temperature             | 180-200 °C  | 180-200 °C                                    |
| Reaction to Fire Classification    | E   | E   |
| Resistance to Fire                 | BS EN 1363-1 2012 & ASFP TGD 19                       | BS EN 1363-1 2012 & ASFP TGD 19               |



# Tell me more

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Or visit [marley.co.uk/roofdefence](http://marley.co.uk/roofdefence)

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