

ROOF DEFENCE

Fire resistance performance for roofs, roof spaces and party walls



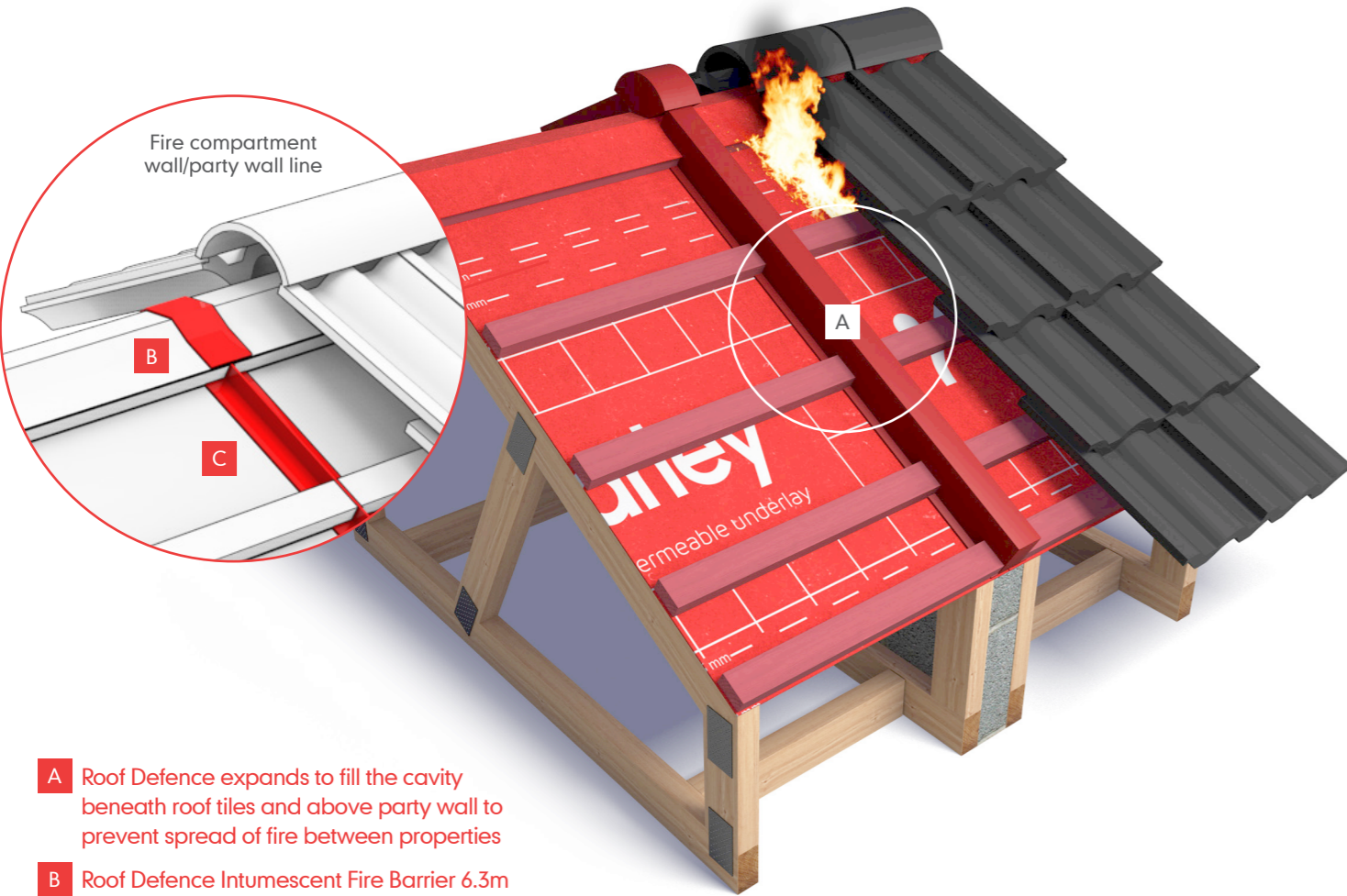
Marley's Roof Defence firestops are designed to provide fire resisting performance between separate properties.

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.

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

	Roof Defence Intumescent Fire Barrier 6.3m	Roof Defence Intumescent Ridge Cap
Product code	MA68020	MA68010
MATERIAL PROPERTIES		
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
CONSTRUCTION TYPE		
Substrate / Base material	Spandrel panel OR masonry	Spandrel panel OR masonry
Maximum Air Gap	96mm	96mm
PHYSICAL PROPERTIES		
Density	615 kg/m ³	615 kg/m ³
Fungal Resistance	Protected by polythene sleeve	Protected by polythene sleeve
Halogen	Low	Low
Density	630 kg/m ³	630 kg/m ³
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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