



## LED-A-FLEX

### EPDM LEAD ALTERNATIVE FOR ROOFING APPLICATIONS

LED-A-FLEX lead substitute looks like lead and works like lead.

LED-A-FLEX is a lead substitute manufactured with a base of EPDM and aluminium expanded metal.

The exceptionally flexible and malleable properties of the metal, together with the excellent UV and ozone resistance of EPDM, combine to provide a totally unique product with a life expectancy in excess of 40 years.

LED-A-FLEX is designed to provide a flexible and durable replacement for lead in most modern roofing applications.

The product has many advantages over traditional lead flashings, for those working in the construction industry, including the simple and quick installation process and the non-toxic lightweight material.

LED-A-FLEX is far quicker to install, at a fraction of the cost, developed as a substitute for lead maintaining both the flexible and deformable characteristics of traditional lead, while ensuring a lightweight material with the durability of EPDM, making led-a-flex ideal for complex detailing.

LED-A-FLEX is supplied in widths of 150, 200, 300, 450 and 600mm in roll lengths of 5 and 10 meters.

## LED-A-PROOF COMPOSITE ADHESIVE

Specific adhesive based on MS polymer for sealing and adhering joints when overlapping sections of LED-A-FLEX.

LED-A-PROOF is supplied in 290ml tubes.



## BENEFITS OF LED-A-FLEX

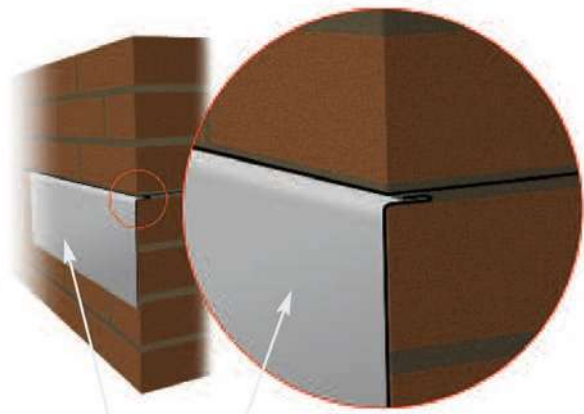
- Flexible
- Light weight
- Long roll lengths
- Quick and easy to apply
- Highly UV resistant
- Superior Longevity
- Not prone to theft
- Environmentally friendly



## ROOFING APPLICATIONS

- Cap Flashing to Roof Abutments
- Soaker flashings to chimneys
- Dormer installations
- Box valleys (no joins can be installed in one length)
- Valleys (can be installed in single pieces)
- Chimneys
- Aprons
- Soakers and Cap Flashings
- Wall abutments
- Dormer cheeks
- Dormer walls
- Roof Lights
- Interfaces with slate roofs
- Under windows
- Parapet walls
- Lead roof applications
- Ridge detailing
- Flat tiles or slate
- Roof hip details

### HEADING FLASHING DETAIL



LED-A-FLEX Lead Grey

### WALL ABUTMENT

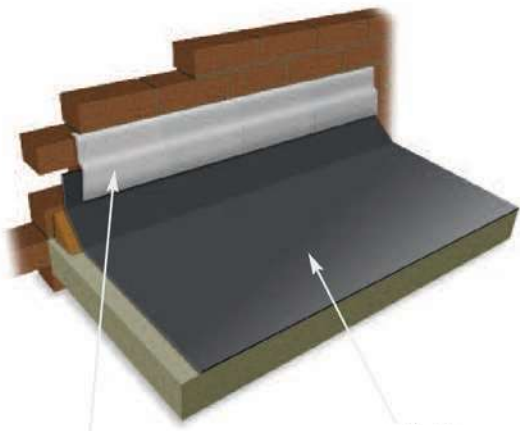


LED-A-FLEX Soaker

LED-A-FLEX Lead Grey

Slates

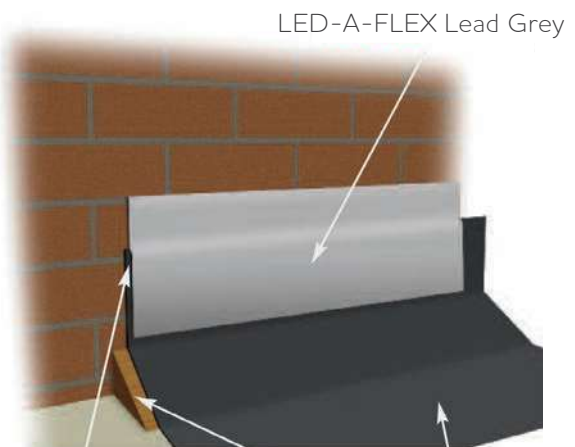
### CAP FINISHING DETAIL



LED-A-FLEX Lead Grey

Black Membrane

### WALL ABUTMENT FLAT ROOF



LED-A-FLEX Lead Grey

LED-A-PROOF Adhesive

Quadrant

Membrane

### VALLEY DETAIL



LED-A-FLEX Lead Grey

Tiles / Slates



## TECHNICAL SPECIFICATIONS

PARAMETER	TEST	UNIT	LED-A-FLEX
Length	EN-NEN 1848-2	m	10
Width	EN-NEN 1848-2	mm	150 mm – 600 mm
Straightness	EN-NEN 1848-2	Mm/10 m	≤ 50
Flatness	EN-NEN 1848-2	mm	≤ 10
Effective thickness	EN-NEN 1849-2	mm	2.5 ± 10%
Weight	EN-NEN 1849-2	Kg/m <sup>2</sup>	2.8 ± 10%
Waterproofing	EN-NEN 1928:2002	10 kPA	waterproof
Combustibility class	EN-NEN 13501-1	Class	E
Resistance to breaking	EN-NEN 12311-2	N/50 mm	Longitudinal direction: 496 Transversal direction: 532
Flexibility when breaking	EN-NEN 12311-2	%	Longitudinal direction: 61.3 Transversal direction: 15.5
Resistance to temperature	EN-NEN 12691	mm	≤ 300
Resistance to static weight	EN-NEN 12730	Kg	≤ 15
Resistance to tearing	EN-NEN 12310-2	N	-
Dimensional stability	EN-NEN 1107-2	%	Longitudinal direction: ≥ 0.1 Transversal direction: ≥ 0.4
Resistance to temperature		°C	From -20 to 130
Folding at low temperatures	EN-NEN 495-5	°C	
UV-stability	EN-NEN 1297	3000h > 20 years	No breakdown or tearing