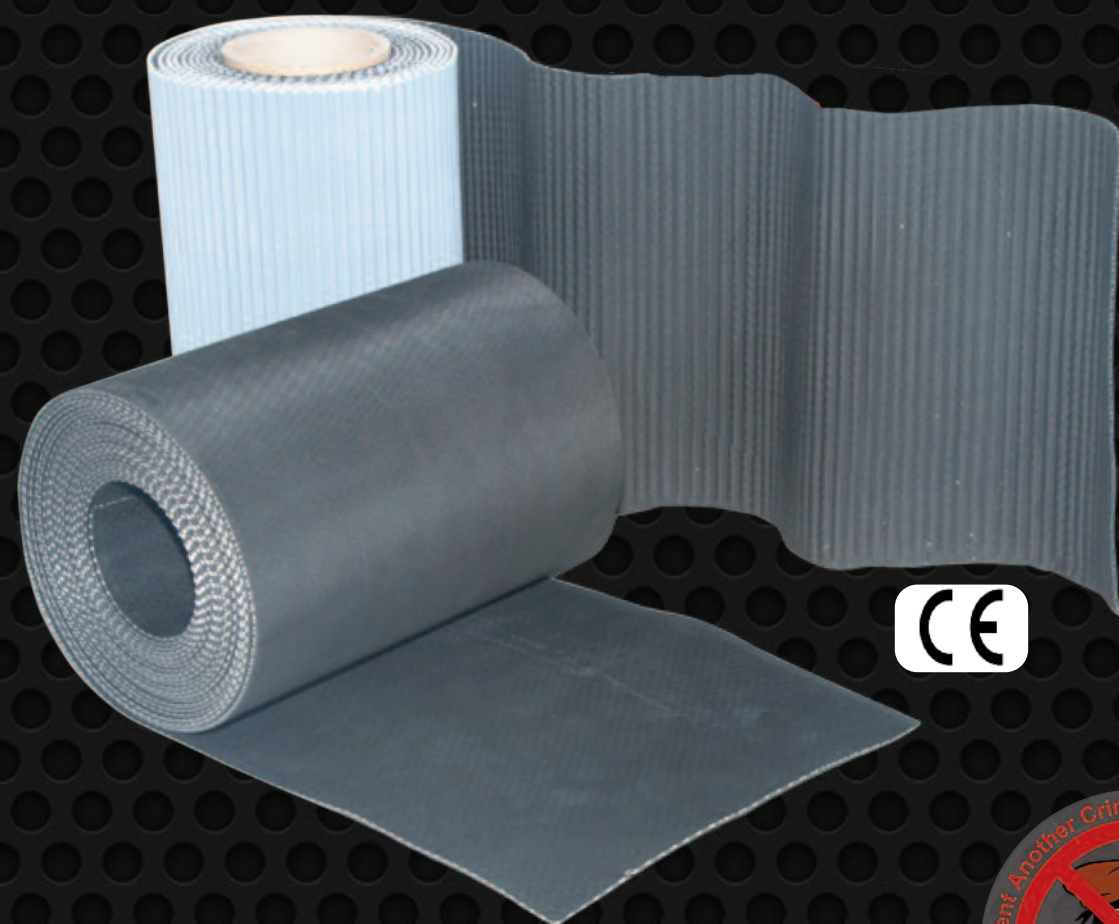




**EPDM Lead Alternative
for
Roofing Applications**



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.

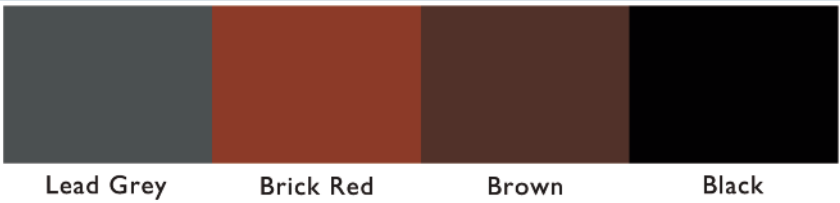
led-a-flex is far quicker to install, at a fraction of the cost, developed as a substitute for lead maintaining both the flexible and deformable characteristics of traditional lead, while ensuring a lightweight material with the durability of EPDM, making **led-a-flex** ideal for complex detailing.

led-a-flex is supplied in widths of 150, 200, 300, 450 and 600mm in roll lengths of 5 and 10 meters.

Advantages

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

led-a-flex Colours



led-a-flex Wave

Flexible and self-adhesive, the Led-a-flex Wave can be totally adhered to the surface and is designed especially for intersections to profiled pitched roofs.

Led-a-flex Wave is supplied in:

width: 300 mm

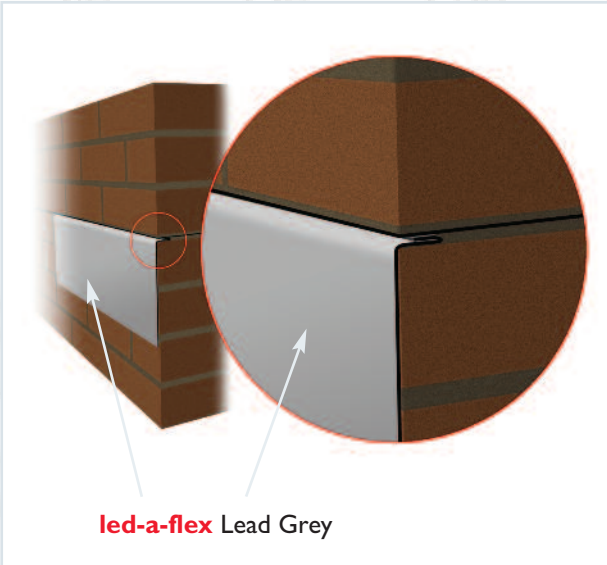
length (rolls): 5 meters

Available in four colours:

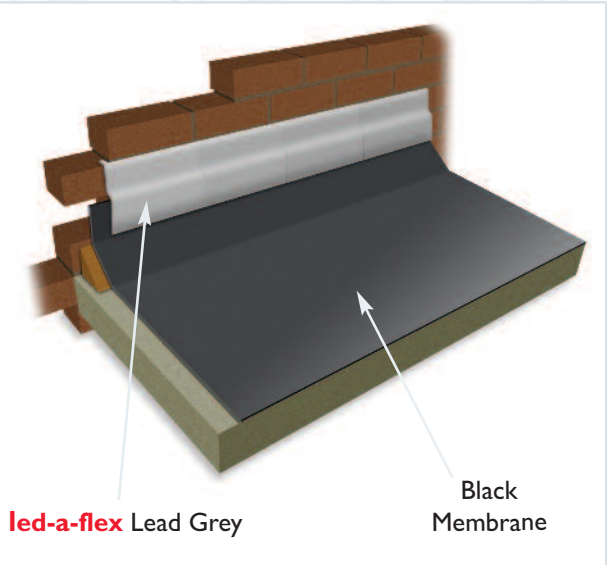
Lead Grey, Brick Red, Brown and Black.



Heading Flashing Detail



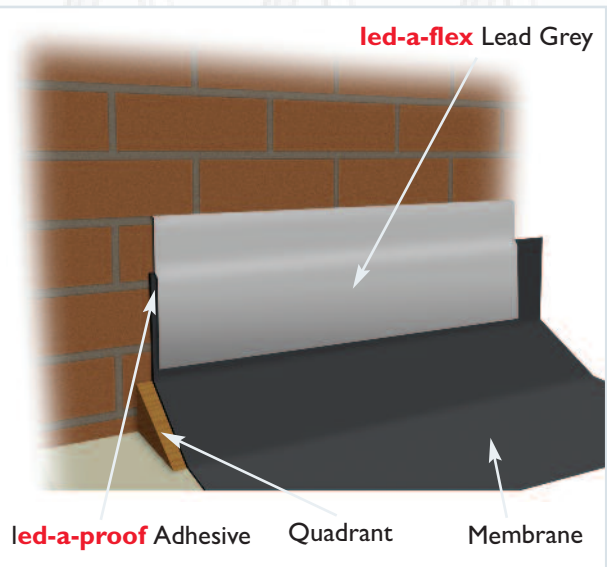
Cap Flashing Detail



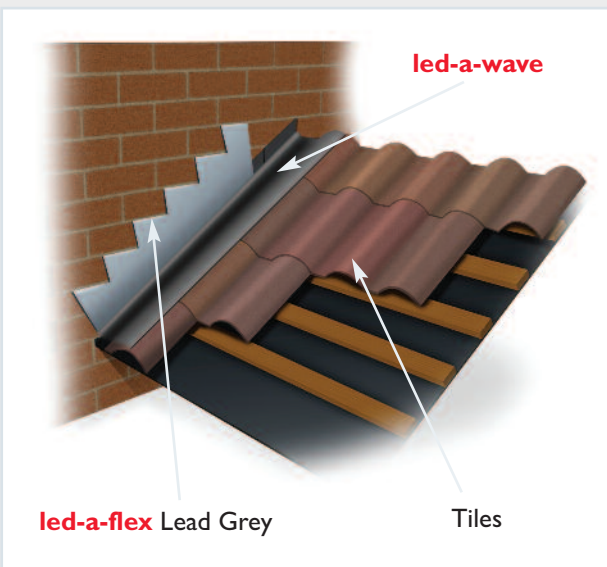
Wall Abutment



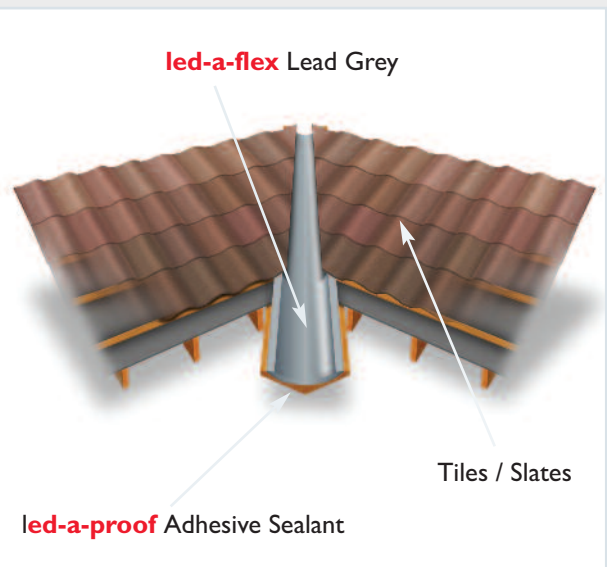
Wall Abutment Flat Roof



Wall Abutment



Valley Detail



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



ALSO IDEAL FOR
USE WITH
CAVITY TRAYS.

SEE FULL DETAILS
AND VIDEOS ON
OUR WEBSITE AT
www.ledaflex.com

led-a-flex Accessories

led-a-fix Tape

A self-adhesive butyl tape for bonding the **led-a-flex** to a surface (for extreme wind conditions the use of **led-a-fix** is strongly recommended).

led-a-fix is supplied in rolls of 50mm width x 40 meter length.

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 310ml tubes.





Technical Specifications

Parameter	Test	Unit	Led-a-flex	Led-a-flex Wave
Length	EN-NEN 1848-2	m	10	5
Width	EN-NEN 1848-2	mm	150 mm – 600 mm	300 ± 0.5%
Straightness	EN-NEN 1848-2	Mm/10 m	≤ 50	≤ 50
Flatness	EN-NEN 1848-2	mm	≤ 10	≤ 10
Effective thickness	EN-NEN 1849-2	mm	2.5 ± 10%	2.5 ± 10%
Weight	EN-NEN 1849-2	Kg/m2	2.8 ± 10%	3.3 ± 10%
Waterproofing	EN-NEN 1928:2002	10 kPA	waterproof	waterproof
Combustibility class	EN-NEN 13501-1	Class	E	E
Resistance to breaking	EN-NEN 12311-2	N/50 mm	Longitudinal direction: 496 Transversal direction: 532	Longitudinal direction: 188.5 Transversal direction: 261
Flexibility when breaking	EN-NEN 12311-2	%	Longitudinal direction: 61.3 Transversal direction: 15.5	Longitudinal direction: ≥ 15.1 Transversal direction: ≥ 15
Resistance to temperature	EN-NEN 12691	mm	≤ 300	≤ 300
Resistance to static weight	EN-NEN 12730	Kg	≤ 15	≤ 15
Resistance to tearing	EN-NEN 12310-2	N	-	Longitudinal direction: ≥ 99 Transversal direction: ≥ 124
Dimensional stability	EN-NEN 1107-2	%	Longitudinal direction: ≥ 0.1 Transversal direction: ≥ 0.4	Longitudinal direction: ≥ 0.1 Transversal direction: ≥ 0.4
Resistance to temperature		°C	From -20 to 130	From -20 to 130
Folding at low temperatures	EN-NEN 495-5	°C		≤ - 30
UV-stability	EN-NEN 1297	3000h > 20 years	No breakdown or tearing	No breakdown or tearing



Alphaflex UK Limited, 10 Ruthin Business Centre, Lon Parcwr Industrial Estate, Ruthin, Denbighshire LL15 1NJ

Tel: +44 (0)1824 703344 • Fax: +44 (0)1824 703939 • Email: sales@ledaflex.com • Website: www.ledaflex.com