



YOUR GUIDE TO

Lead Free Flashings

The Klöber logo, featuring the word "KLOBER" in a bold, red, sans-serif font. A white diagonal slash is positioned above the letter "O".

KLOBER

Over 60 years of completing quality roofs that create a safe, comfortable and sustainable environment.

Klober has grown to become one of Europe's leading manufacturers of roofing ventilation products and accessories.

Our aim is to make our customers' lives easier everyday by providing first-class service and solving today's challenges, whilst thinking of tomorrow's innovative solutions.

KLOBER

QUALITY &
INNOVATION

SINCE 1960



Your guide to Lead Free Flashings

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Why choose Klover?



We've been proudly supplying roofing materials for **over 60 years**, which means our products have been tried and tested by installers.



Our products are **stocked nationwide** at independent and national builders and roofing merchants as well as online businesses, so you can order our products on the go.



We offer a **wide product choice**, which means you'll find all of your roofing ventilation and accessory solutions required for the job in one place. To learn more about Klover and to find your nearest stockist, visit klover.co.uk

Guarantee



All products supplied by Klover Ltd are covered by a 10 year guarantee against manufacturing defect. Please note, products are not covered for colour stability, poor workmanship or incorrect installation.

Products should be installed as per our literature, fixing instructions and/or guidelines set out in regulations and British Standards such as BS 5534, BS 8612, BS 5250 and our BBA/NSAI certificates.

Certification and approvals

All of Klover's products conform to the relevant Building Regulations and British Standards and, where appropriate, are NHBC approved, BBA, NSAI and CE certified.

For more information visit klover.co.uk



Supporting Installers



Roofing Specialists

National Sales Team

We have a national team of specialists who are available to support with all of your roofing projects, including public and private residential and commercial developments for new build or refurbishment - our highly experienced team are on-hand.

We can help you to identify the right roofing solution, as well as sourcing the materials for the job. Get in touch today to arrange a meeting or site visit. To find your local Area Account Manager, visit klover.co.uk

Technical Hotline

Need support on the go? We have a dedicated Technical Support Line who are here to help with any product or installation queries:

Telephone:
0330 678 0088

Opening Hours:
Mon to Fri 8:00am - 5:00pm

Learning & Support

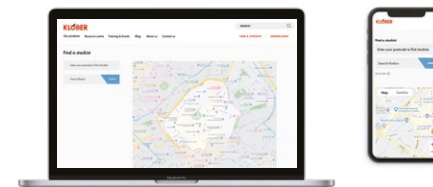
Training

We know how important it is to help installers understand our products, which is why we've developed a number of videos to support you on the go. We can also offer free online CPD and face to face training. From theory to practical hands-on sessions, we build our training around your needs.

Downloads

We offer a range of online resources including datasheets, installation guides and brochures, which you can access from your desktop or mobile.

To find out more about our training and resources, visit klover.co.uk



About Lead Free Flashings

What are Flashings?

Flashing refers to the material which is applied to joints and intersections where two parts of a building meet.

Its main job is to direct water away from critical areas of the roof, to prevent the passage of water into the building structure, which can cause leaks and subsequent damage such as rotting.

Typically, flashing is installed to surround roof features, such as dormer windows, chimneys, vents and rooflights and widely applied to commercial, residential and industrial buildings.



Lead Free Flashing Alternatives

Traditionally lead was the main material used for flashings, but lead free alternatives are becoming increasingly popular for a number of reasons, and for many, the preferred solution.

Benefits of Lead Free Flashings

- Lighter than lead, making it safer and easier to install
- No welding or specialist tools required
- No scrap value, reducing the risk of theft
- Non-toxic and environmentally friendly compared to lead
- Easy to apply over deeply profiled tiles and around corners
- Compatible with most roof coverings

Areas of Application

- All wall abutments and upstands
- Chimneys
- Pipe flashings
- Valley and saddle details
- Dormers and rooflights
- Metal and polycarbonate

Flashing Installation Tips



- ✓ Ensure surfaces are dust and oil-free before laying flashing
- ✓ Ensure gaps of over 50mm for Wakaflex and 30mm for EasyForm are supported
- ✓ When using Wakaflex, laps should be no less than 50mm, while using a roller to apply pressure
- ✓ Allow 30mm for chasing into brickwork joints
- ✓ Klober Flashing Glue (PACGL) can be used to apply to damp surfaces or when working in colder temperatures
- ✓ Strips of folded Flashing, like wedges, are a good way to hold the flashing in place into brickwork, prior to sealing with sealant
- ✓ Flashing Sealant should be used for brickwork joints. Under no circumstances should silicone based sealants or adhesives be used
- ✓ Lead Free Flashings should not be used on bitumen or tar surfaces

For more information, please refer to the datasheet and installation guide.

Certification & Guarantee

All Klober products conform to the relevant Building Regulations and are covered by a 10 year guarantee against manufacturing defects.




Wakaflex Lead Free Flashing is quality assured as it has been BBA certified and benefits from a 20 year guarantee.



Find the Right Flashing Solution

Klober offers a range of high performing Lead Free Flashings to suit any project.

Compare the range and find the right product for the job.

	Wakaflex	EasyForm
	Our ultimate lead alternative	Our cost effective lead alternative
	 	
Performance	Looks like lead, performs like lead, but safer & easier to install	Overall good strength & flexibility
Sizes & Colours	5 & 10m rolls in widths 140-560mm Lead Grey & Anthracite	5m roll in widths 200-600mm Zinc Grey & Anthracite
Material	Unique composition with perforated release paper	3-layers with a butyl backing
Universal Application	●	●
Non-Toxic & No Scrap Value	●	●
UV Stable	●	●
BBA Certified	●	
Metal grid reinforcement	●	
Self-Welding	●	
BRE Wind Tested	●	
Appearance	Smooth	Textured
Klober guarantee	20 year	10 year



We're always here to help with your specific technical enquiries. Just call our **Technical Team on 0330 678 0088.**

Recommended flashing width by application type.*



	Wakaflex (width mm)				
	140	180	280	370	560
Side Abutments					
Traditional Step Flashings (Flat Interlocking Tiles)				●	
Traditional Step Flashings (Profile Tiles)				●	●
Soakers (Plain Tiles and Double-Lapped Slates)		●			
Stepped Wall Flashing (Plain Tile and Double-Lapped Slates, Side Abutment Gutters)		●			
Continuous Wall Flashing (Plain Tile and Double-Lapped Slates, Side Abutment Gutters)	●				
Secret Gutters (Flat Interlocking Tiles)			●		
Side Abutment Gutters (All Tiles)				●	
Top Edge Abutment (All Tiles)			●	●	
Chimneys (All Tiles)					
Back Gutters					●
Roof Outlets/Lead Slates	See Wakaflex Uni Outlet				
Saddles for Junctions (All Tiles)					
Ridge Saddles				●	
Lead Rolls (Bonding Two Roofs)					●
Other (All Tiles)					
Sprockets/Mansards (Change of Rafter Pitch)				●	
Vertical Tiling - Bottom and Top Edge Flashings			●		
Pitched Open Valleys					●

*Our recommendations are based on a house of conventional construction, rendered or non-rendered, with roofs of pitches 30-45 degrees, in normal UK exposure conditions.

Flashing Rolls

Wakaflex

Our ultimate lead alternative



Lead Grey



Anthracite



The best alternative to lead, including an easy installation and smooth finish.

Key features

- Superior lead-like touch and appearance
- Highly stretchable in length and width when dressed into the pan of the tile
- Unique product composition with a self-welding effect

Related products

- Flashing Roller PACCRO
- Flashing Sealant PACCSE
- Flashing Glue PACCGL

Product code	Width mm	Length m	Weight kg	Colour	Box quantity
PWF140GR	140	5	2.65	Lead Grey	2
PWF180GR	180		3.30	Lead Grey	4
PWF280AN	280	5	4.70	Anthracite	
PWF280GR				Lead Grey	
PWF280GR-10		10	9.40	Lead Grey	2
PWF370AN	370	5	6.30	Anthracite	3
PWF370GR				Lead Grey	
PWF560AN	560	5	9.0	Anthracite	2
PWF560GR				Lead Grey	



Recommended flashing width by application type.*



	EasyForm (width mm)				
	200	250	300	450	600
Side Abutments					
Traditional Step Flashings (Flat Interlocking Tiles)			●		
Traditional Step Flashings (Profile Tiles)				●	
Soakers (Plain Tiles and Double-Lapped Slates)	●				
Stepped Wall Flashing (Plain Tile and Double-Lapped Slates, Side Abutment Gutters)	●				
Continuous Wall Flashing (Plain Tile and Double-Lapped Slates, Side Abutment Gutters)	●				
Top Edge Abutment (All Tiles)		●	●		
Chimneys (All Tiles)					
Back Gutters					●
Roof Outlets/Lead Slates	See Wakaflex Uni Outlet				
Saddles for Junctions (All Tiles)					
Ridge Saddles				●	
Lead Rolls (Bonding Two Roofs)				●	
Other (All Tiles)					
Sprockets/Mansards (Change of Rafter Pitch)			●		
Vertical Tiling - Bottom and Top Edge Flashings			●		

*Our recommendations are based on a house of conventional construction, rendered or non-rendered, with roofs of pitches 30-45 degrees, in normal UK exposure conditions.

Flashing Rolls

EasyForm

Our cost-effective lead alternative



Offers a non toxic flashing solution for abutments at walls, chimneys and rising parts of structures on pitched roofs.

Key features

- Lightweight and easy to install
- A non-toxic solution with no scrap value, reducing the risk of theft
- Available in two colours to blend in with the roofline
- Stretches up to 60% when dressed into the pan of the tile

Related products

- Flashing Glue PACCGI
- Flashing Sealant PACCE
- Flashing Roller PACCRO



Product code	Width mm	Length m	Weight kg	Colour	Box quantity
KW0200-05-0469	200	5	1.62	Anthracite	5
KW0250-05-0469	250		2.06	Anthracite	
KW0300-05-0469	300		2.44	Anthracite	
KW0300-05-0470				Zinc Grey	
KW0450-05-0469	450		3.69	Anthracite	2
KW0450-05-0470				Zinc Grey	
KW0600-05-0469	600		4.5	Anthracite	

Flashing Glue



Product code	Size ml	Colour	Box quantity
PACCGL	290	Black	12

A gun applied glue for flashings.

Key features

- Flashing glue makes it possible to install a flashing in the rain
- Unlike some other adhesives, once opened it can be resealed and used again

Area of application

- Wakaflex, all sizes
- EasyForm Plus, all sizes

Related products

- Wakaflex, all sizes PWF140GR
- EasyForm, all sizes KW4250
- Roll Fix Kits

Flashing Roller



Product code	Width mm	Box quantity
PACCRO	35	12

Roller to give a perfect finish to Wakaflex and EasyForm lead free flashing.

Key features

- Ensures effective contact between flashing and roof
- The roller has chamfered edges to prevent the flashing from being marked or damaged

Area of application

- Lead free flashings

Related products

- Wakaflex lead free flashing, all sizes
- EasyForm, all sizes.
- Wakaflex Uni Outlet PWFUO560GR

Flashing Sealant



Product code	Size ml	Colour	Box quantity
PACCSE	310	Transparent	12

A sealant for Wakaflex and EasyForm lead free flashing.

Key features

- To be used alongside Klober's lead free alternative products
- It comes in a 310ml application tube that fits inside a standard caulking gun

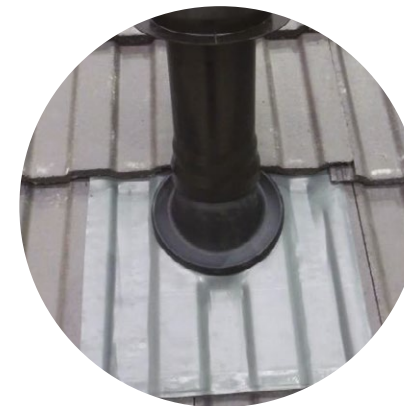
Area of application

To seal apron and step flashings into brick and block work

Related products

- Wakaflex, all sizes PWF140GR
- EasyForm, all sizes KW4250

Wakaflex Uni Outlet



Product code	Width mm	Length m	Weight kg	Colour	Box quantity
PWFUO560GR	560	450	1.7	Lead Grey	10

The Wakaflex Uni Outlet is ideal for sealing penetrations on roofs.

Key features

- Aesthetically pleasing alternative to lead or aluminium slate with a high quality finish
- Long life due to polymer surface of Wakaflex and high quality EPDM material
- Size guide on the collar to cut it to fit between 25 - 125mm

Area of application

- Suitable for concrete, clay tiles and slates.
- For roof pitches between 18° - 45°

Related products

- Flashing Glue PACCGL
- Flashing Roller PACCRO

KLOBER



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Technical Team: 03306 780 088



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