



Ubiflex Extreme



➤ Premium Non-Lead Flashing

➤ UBIFLEX EXTREME NON-LEAD FLASHING

Ubiflex Extreme is a premium quality non-lead flashing material with an extended temperature range – which can be used in most applications where lead is traditionally used to provide a weatherproof junction at features such as changes of direction and materials.

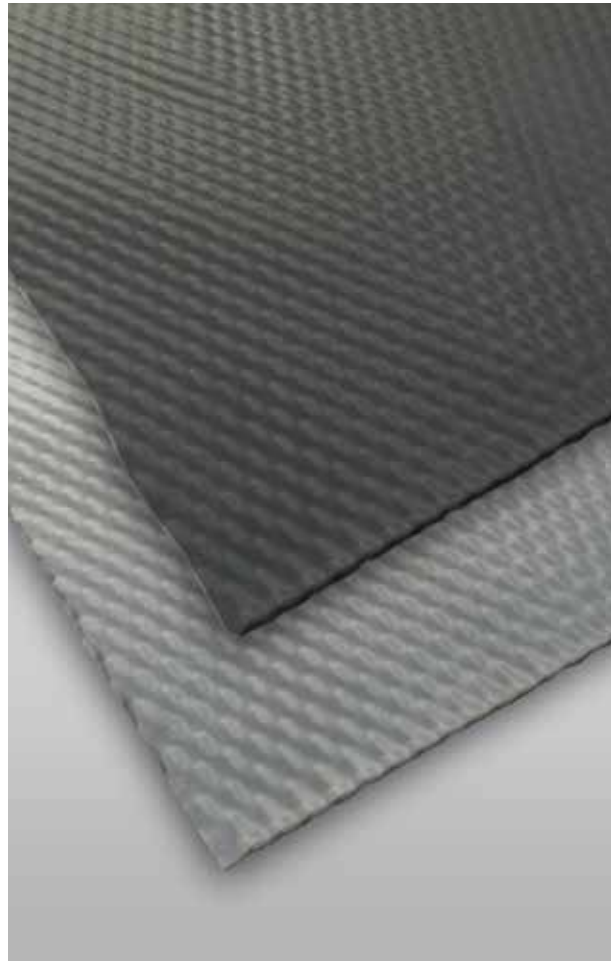
It has been developed for quick and easy installation and to withstand harsh weather conditions keeping its superb product benefits and installation features.

Ubiflex Extreme is manufactured by coating both sides of reinforced aluminium mesh with silicone sheeting, one side Grey and one side Black.



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➤ TAKING STANDARDS IN FLASHINGS TO A NEW LEVEL

➤ Ubiflex Extreme is:

- Sustainable to harsher weather conditions -30°C to +180°C, resulting in less delays on site.
- Supplied in duo coloured rolls (Black/Grey) and can be installed with either side visible.
- Quicker to install than lead, is fully malleable and can be worked in both directions.
- Not susceptible to thermal movement. Aprons up to 5m long can be formed without seams or expansion joints. Consequently, there is less wastage with Ubiflex Extreme.
- Compatible with most common building materials and components, such as thermal panels, extract flues, ventilators, rooflights and flat roofing membranes including PVC single ply.
- Stable and does not cause any unsightly staining.
- Worked the same way as lead flashing, but without the need for protective measures. It can be cut with a sharp knife or snips.
- Ubiflex Extreme has all the features of the current Ubiflex B3 range, being lighter and easier to handle with no scrap value.
- With its smooth finish, Ubiflex Extreme looks remarkably similar to lead, making it ideal for applications where aesthetics are important.

➤ Performance

Composition:	Silicone based sheeting with a reinforced aluminium mesh
Temp resistance:	-30°C to +180°C
Appliance Temperature:	Cutting, plying & bossing. - 30°C to +180°C
Corrosion:	Resistant to corrosion
Wind stability	BRE wind tunnel tested to 100mph
Fire rating:	BRE tested Class A
Life expectancy:	30 years tested to methods of artificial ageing by long term exposure to UV (A&B) radiation, elevated temperature and water. Individually and in combinations of two and all three elements.
Guarantee:	25 years
Surface:	Smooth

➤ Dimensions & weights

Roll dimensions	Weight
150mm x 5m	2.8 kg
300mm x 5m	5.7 kg
450mm x 5m	8.5 kg



➤ SPECIFICATION GUIDANCE

➤ General

When designed and installed in accordance with the relevant parts of BS 5534:2014, BS 6229:2003 and BS 8000-6:2013, Ubiflex Extreme is suitable for use in flashing applications, such as abutments, chimneys, saddles, valleys and dormers to provide a weatherproof junction.

Ubiflex Extreme is resistant to the corrosion which affects lead when portland cement containing free lime comes in contact with moisture so there is no need for additional paint protection. Ubiflex Extreme has excellent resistance to sliding under lateral loading and can withstand usual building settlement.

Foot traffic should be avoided or a protection board should be used when installing the product as a valley lining.

For instances where a lead wedge would normally be used, Ubbink have created a quick to install 'V' shaped Ubiflex fixing clip. These clips should be pushed into mortar joints at spacings of 450mm or less (see figure 01).

Overlap joints of 150mm are required in all flashings and must be sealed with Ubiflex Extreme Fix. Ubiflex Extreme flashings should be sealed to tiles, slates, upstands and soakers using a spot or continuous bead of Extreme Fix.

➤ BRE Wind Tunnel Test

Wind tunnel testing at the BRE on Ubiflex Extreme duo pitched abutment flashing and coping cover sealed with Extreme Fix adhesive withstood wind speeds of 100mph without failing. The BRE details and certificates are available upon request.

➤ BRE Fire test

Ubiflex Extreme flashing was adhered to superlux 12mm board and tested at the BRE and passed with a Class A fire rating. The BRE details and certificates are available upon request.



➤ The Ubiflex Extreme System

1. Ubiflex Extreme duo colour flashing
2. Extreme Fix: for sealing down overlaps to tiles, slates and for filling mortar joints
3. Ubiflex clips: for easier fixing in mortar joints
4. Ubiflex 'no lead' sign: to reduce theft from sites

➤ INSTALLATION GUIDANCE

➤ Fixing Ubiflex Extreme into a wall or chimney

Without a DPC

On upstands, parapets, chimneys and walls without a damp proof course (DPC), Ubiflex Extreme should be turned into a joint or chase by not less than 30mm. It should then be held in place with Ubiflex Extreme fixing clips, spaced no more than 450mm apart and then the joint filled with Extreme Fix (figure 01).

Extreme Fix has been designed to resist the cracking associated with mortar and protect the joints from water penetration.

With a DPC

When installing Ubiflex Extreme in a joint which includes a pre-fitted DPC, the mortar should be removed to a depth of no less than 30mm below the DPC, the Ubiflex Extreme fitted and the joint sealed with Extreme Fix (figure 02).

If the DPC and Ubiflex Extreme are installed at the same time, the Ubiflex Extreme should be fitted to a depth of no less than 50mm with the edge turned back into a single welt to anchor it into the mortar (figure 03). This method is particularly recommended when the height of masonry above the DPC is less than 600mm as there is a risk of the masonry lifting when clipping the Ubiflex Extreme.

Larger joints

Ubiflex Extreme can also be used in situations where the joint width is large or uneven, for example, in masonry in old or historic buildings. In these instances Ubiflex Extreme should be turned up the back of the chase and mechanically fixed with the joint filled with Extreme Fix.

Unlike lead, there is no need for a masking tape liner over Ubiflex Extreme when using mortar to fill shallow and wide joints.



figure 01



figure 02

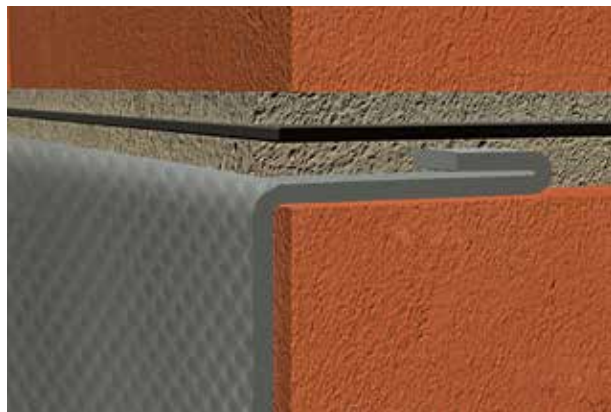


figure 03



➤ Flashing to a flat roof upstand

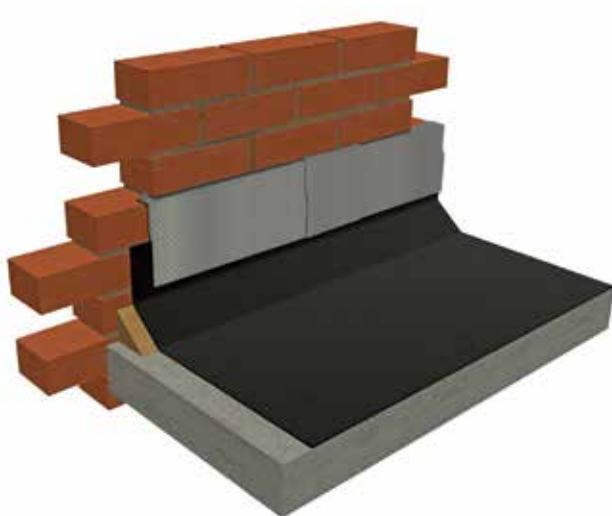


figure 04
Flashing to a flat roof upstand

Ubiflex Extreme should cover the upstand by at least 75mm and be sealed to it with a continuous bead of Extreme Fix. (figure 04).

The height of the upstand should be at least 150mm.

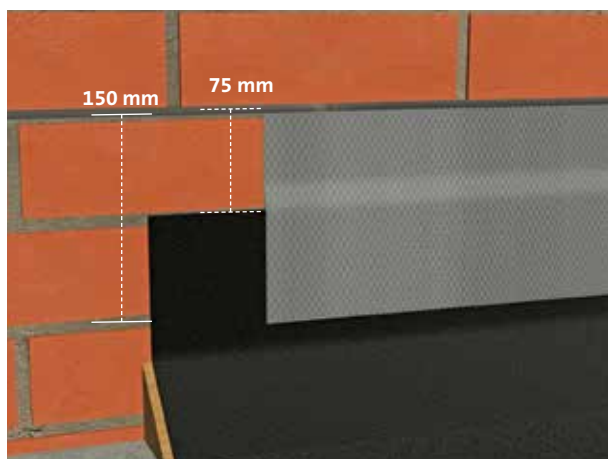
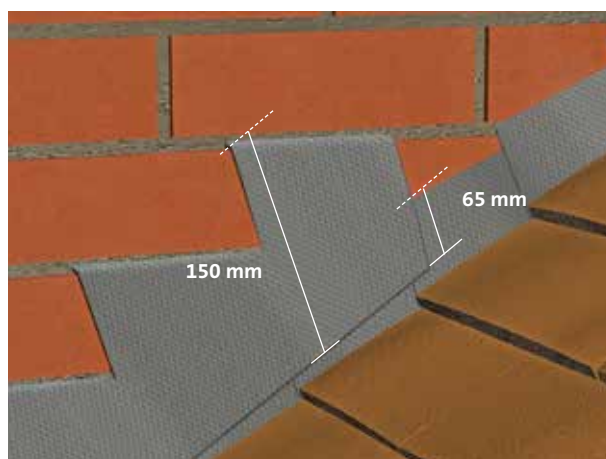


figure 05
flashing to a side abutment - double lap tiles/slates

Where double lap tiles or slates abut a wall they should be covered with Ubiflex Extreme stepped cover flashing (figure 05).

The Ubiflex Extreme stepped flashing should be 150mm wide, cover the soakers by no less than 65mm and be sealed with a continuous bead of Extreme Fix.



➤ Flashing to a wall or chimney: side abutment – single lap tiles

For single lap tiles a continuous Ubiflex Extreme cover flashing can be used (figure 06). This flashing should go up the wall 150mm (as double lap) and cover the tiles by at least 150mm (200mm for deep profiles or pitches below 25° in exposed areas) and be sealed with a continuous bead of Ubiflex Extreme Fix.

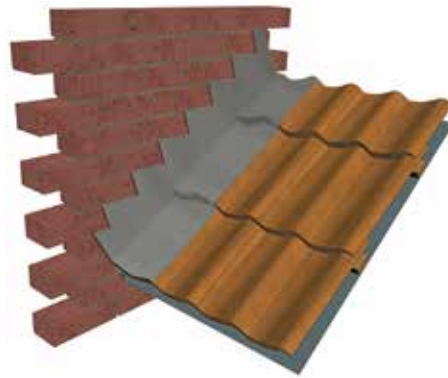
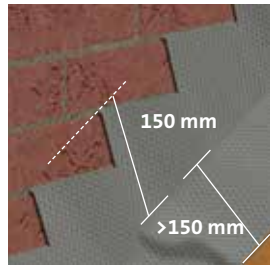


Figure 06: flashing to a side abutment – single lap tiles

Alternatively, single lap tiles can be weatherproofed at abutments by using a cover flashing and a separate stepped flashing (figure 07). As in double lapped tiles, the cover flashing should run 75mm up the wall and the stepped flashing should be 150mm wide and overlap the cover flashing by 65mm.

The stepped flashing should be sealed to the cover flashing with a continuous bead of Ubiflex Extreme Fix.

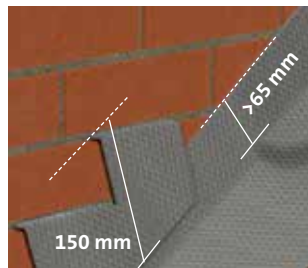


Figure 07: flashing to a side abutment – single lap tiles

➤ Flashing to a wall or chimney: top abutment – over tiles

When flashing a lean-to-roof or chimney in a pitched roof, the Ubiflex Extreme should be turned up no less than 75mm and extend down the slope at least 150mm (200mm for pitches below 25° or exposed areas) and sealed to the roof covering (see figure 08 and below).

At the junction of chimney and ridge, a separate saddle flashing is required. This flashing should extend down both sides of the roof by no less than 150mm and along the ridge by no less than 150mm.

The flashing edge which is beneath the ridge tile should be turned back to form a welted weather check.

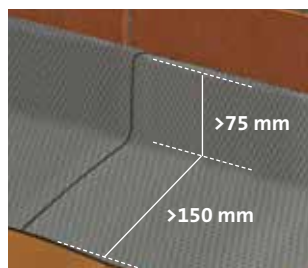


Figure 08: flashing to a top abutment – tiles and slates



➤ Flashing to vertical tile and slate hanging

Ubiflex Extreme should be taken behind tiles by no less than 75mm and finished with a single weathercheck welt (figure 10 and below).

In slate hanging the Ubiflex Extreme extends 100mm behind the slates without the welt.

Alternatively, soakers and a cover flashing can also be used in this instance and should follow the same procedure as shown in figure 05 (see page 07).

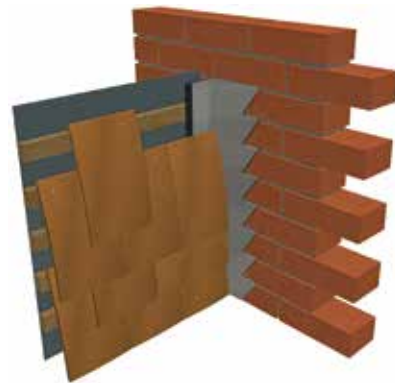
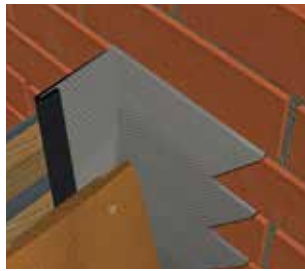


Figure 9: flashing to vertical tile or slate hanging – side abutment

At the junction of the tiles/wall/cill, a separate cill flashing is required. This cill flashing extends up the wall at least 75mm and is chased into the brickwork a minimum one course above the tiles or slates flashing (figure 11).

Where the window opening appears within the body of the tile hanging, a similar cill flashing is required. This cill flashing turns under the cill and extends past the vertical edge of the window by at least 100mm and up the jamb by at least 100mm from the underside of the cill.



Figure 10: flashing to vertical tile or slate hanging – cills

➤ Flashing to canopies, hoods and carports

Ubiflex Extreme can be used as a flashing to modern fibreglass, GRP and plastic door/window/patio canopies, door hoods and carports. For canopies and hoods with upstands follow the procedure as shown in figure 11, ensuring the flashing is sealed to the canopy etc. and covers the upstand by at least 75mm and extends at least 100mm beyond the sides.

For canopies and carports without upstands the procedure is similar to the top abutment flashing shown in figure 08 (see page 07) ensuring that the flashing is sealed to the canopy or carport and extends and at least 150mm over the canopy and 100mm beyond the sides.

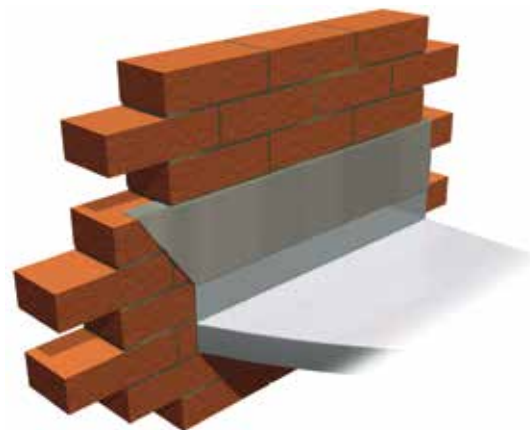
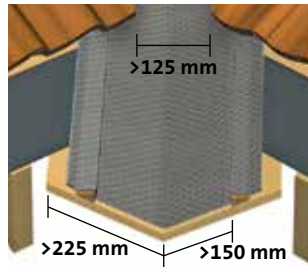


Figure 11: flashing to canopies, hoods and carports with upstands

➤ Pitched valley lining

Ubiflex Extreme is suitable for use in a valley gutter with most types of roof covering and boarded, batted and counterbatted roofs (Figure 12).

Ubiflex Extreme sits directly on the valley boards - these should extend at least 225mm each side of the centre of the valley and include tilting fillets positioned 150mm each side of the centre.



When the tiles/slates are laid the gap between them should be no less than 125mm. Valley boards (no less than 19mm thick) are laid on top of the rafters in boarded and

counterbatted roofs or fixed flush with the top of the rafters in batted roofs - either notched into the rafters or fixed to noggins (trussed rafters).

Ubiflex Extreme extends across valley boards, over the fillets (the tops of which should be level with the top of the tiling battens) and is then fixed to the boards behind the fillet. Ubiflex Extreme is then welted to protect the fixings and provide a weathercheck.

Cut edges of single lap tiles should be bedded on the Ubiflex Extreme with a clear water channel left behind the mortar bedding and the tilting fillet; double lapped tiles/slates are laid dry. Foot traffic should be avoided or a protection board should be used during installation.

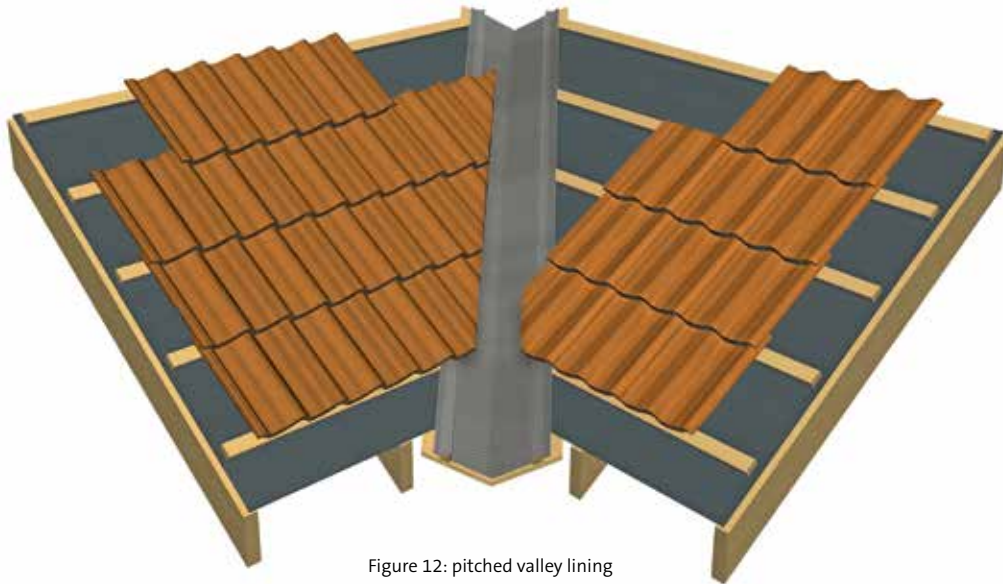


Figure 12: pitched valley lining



➤ SITEWORK

➤ Supply, handling and storage

Ubiflex Extreme rolls are supplied packed individually in boxes and should be stored in a dry area.

No special handling is required during storage or installation. Ubiflex Extreme is non-toxic and recyclable.

➤ Installation

Ubiflex Extreme can be worked in the same way as lead, but without the need for any protective measures.

Ubiflex Extreme can also be used in direct contact with most building material, including copper, zinc, iron, aluminium and stainless steel, in most climate conditions and environments.

Ubiflex Extreme :

- Can be cut with a sharp knife
- Can be fixed with stainless steel nails if required
- Can be joined with Extreme Fix to form a watertight joint

➤ Maintenance and repair

Ubiflex Extreme does not require any maintenance in addition to a regular visual check for damage.







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