

ParaFlash B3

Product Ref: (DsA17-0614)
Issue No: 01



DESCRIPTION

ParaFlash B3 is a secondary detail flashing membrane used to terminate flat and pitched roof waterproofing products. It is a lead- free alternative to traditional lead working. ParaFlash B3 contains no valuable materials, is environmentally friendly and non- toxic. Light weight and less than a 1/3 of equivalent to its lead alternative.

USE

Can be used as a direct substitute for lead cover flashings and traditional lead details for flat & pitched roofing applications. Particularly applicable for use in low security situations where lead may attract thieves.

DIMENSIONS

- Roll size: 12m (Length) x 150mm (Width)
- Nominal thickness: 3.5 mm
- Weight Per Roll: 7.2kg
- Weight Per m²: 4kg
- Each Roll is supplied with 25 No. **Langley ParaFlash B3 Stainless Steel Chase Clips**
- **Langley Gap-Seal Mastic** (Sold separately)
- **Langley Lap Adhesive** (Sold separately)

TECHNICAL INFORMATION

- Composition: Modified polythene compound with an aluminium mesh reinforcement
- Temp resistance: -30°C to +90°C
- Min. working temp: By hand: -10°C / With hammer: +5°C / Use warmed material for improved malleability at low temperatures
- Tensile Strength (N per 50mm): Tranverse 1260 x Longitudinal 450 - Ref: BS EN 12311-1
- Elongation at Break Max (%): Tranverse 22 x Longitudinal 102 - Ref: BS EN 12311-1
- Nail Tearing Resistance (N): Tranverse 415 x Longitudinal 340 - Ref: BS EN 12310-1
- Cold Temperature Flexibility (Upper surface °C): -20°C Ref: BS EN 495-5
- Corrosion: Resistant to corrosion
- Thermal movement: Not susceptible
- Colour: Black
- Surface finish - Slate granule textured surface resistant to staining
- **ParaFlash B3** has no scrap value

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INSTALLATION INSTRUCTIONS

- **ParaFlash B3** is worked in the same way as lead, but without the need for protective measures. It can be easily cut with a knife or strong scissors.
- Fixing **ParaFlash B3** without a DPC on upstands, parapets, chimneys and walls without a damp proof course (DPC), **ParaFlash B3** should be turned into a joint or chase by not less than 30mm and held in place with **ParaFlash B3 Stainless Steel Fixing Clips**, spaced not more than 450mm apart. Fold down and dress **ParaFlash B3** to the roof covering and apply spots or a continuous bead of **Langley Lap Adhesive** and press down to seal. Finally apply **Langley Gap-Seal Mastic** to the joint/chase to ensure a waterproof joint and smooth as necessary. **Langley Gap-Seal Mastic** has been designed to resist the cracking associated with mortar and protect the joints from water penetration.
- Fixing **ParaFlash B3** with a DPC when installing into a joint which includes a prefitted DPC, the mortar should be removed to a depth of not less than 30mm below the DPC and held in place with **ParaFlash B3 Stainless Steel Fixing Clips**, spaced not more than 450mm apart. Fold down and dress **ParaFlash B3** to the roof covering and apply spots or a continuous bead of **Langley Lap Adhesive** and press down to seal. Finally apply **Langley Gap-Seal Mastic** to the joint/chase to ensure a waterproof joint and smooth as necessary. **Langley Gap-Seal Mastic** has been designed to resist the cracking associated with mortar and protect the joints from water penetration.
- If the DPC and **ParaFlash B3** are installed at the same time, the **ParaFlash B3** should be fitted to a depth of not less than 50mm with the edge turned back into a single welt to anchor it into the mortar. 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 **ParaFlash B3**.
- For non-brickwork areas, **ParaFlash B3** can be mechanically fixed back to the structure with non-ferrous fixings, if protected by an overhang. If unprotected, **ParaFlash B3** must be sealed to the structure with **Langley Termination Bar** and sealed with continuous beads of **Langley Gap-Seal Mastic** to both rear and top leading edge so as to prevent water ingress between **ParaFlash B3** and the structure.
- **Larger joints** **ParaFlash B3** 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 **ParaFlash B3** should be turned up the back of the chase and mechanically fixed with the joint filled with **Langley Gap-Seal Mastic**.
- As **ParaFlash B3** is not susceptible to thermal movement, long runs can be completed without the need for expansion joints, however, all overlaps must be a minimum of 150mm and sealed with a continuous bead of **Langley Lap Adhesive** close to the edge and pressed down to ensure a good seal.
- A minimum temperature of -10°C is required for cutting and folding and +5°C for working with a lead dresser.

SUPPLY, HANDLING & STORAGE

- **ParaFlash B3** rolls are supplied packed individually in boxes and should be stored in a dry area.
- Each roll of **ParaFlash B3** is supplied with 25No. **ParaFlash B3 Stainless Steel Fixing Clips**.
- No special handling is required during storage or installation.
- If **ParaFlash B3** is likely to come into contact with aggressive chemicals during maintenance or other work, test before proceeding.
- **ParaFlash B3** can be worked in the same way as lead, but without the need for any protective measures.
- Avoid foot traffic when installing.
- **ParaFlash B3** can also be used in direct contact with any building material, including copper, zinc, iron, aluminium and stainless steel, in most climate conditions and environments.

MAINTENANCE & REPAIR

- **ParaFlash B3** is self-sealing if punctured.
- **ParaFlash B3** does not require any maintenance in addition to a regular visual check for damage.

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CERTIFICATION

- ParaFlash B3 carries BBA certification.

SAFETY

- This product is not classified as hazardous.
- ParaFlash B3 is non-toxic and recyclable.

This document is only a guide.

Langley Waterproofing Systems Ltd reserves the right to change the composition and fixing recommendations of products as a result of the evolution of knowledge and technology.