



flexiProof

FLEECE-BACKED EPDM MEMBRANE

THE SUPERIOR EPDM FLAT ROOFING SOLUTION



LIFE EXPECTANCY
OF 50+ YEARS!



NO CRACKING,
TEARING OR SPLITTING



UV AND OZONE
RESISTANT



TRAINED INSTALLER
NETWORK



DURABLE AND
PUNCTURE RESISTANT



TOTALLY
WEATHERPROOF



CE CERTIFIED



25-YEAR MEMBRANE
WARRANTIES



MANUFACTURED
IN AN ISO 9001
REGISTERED FACILITY



ECO-FRIENDLY
PRODUCTION



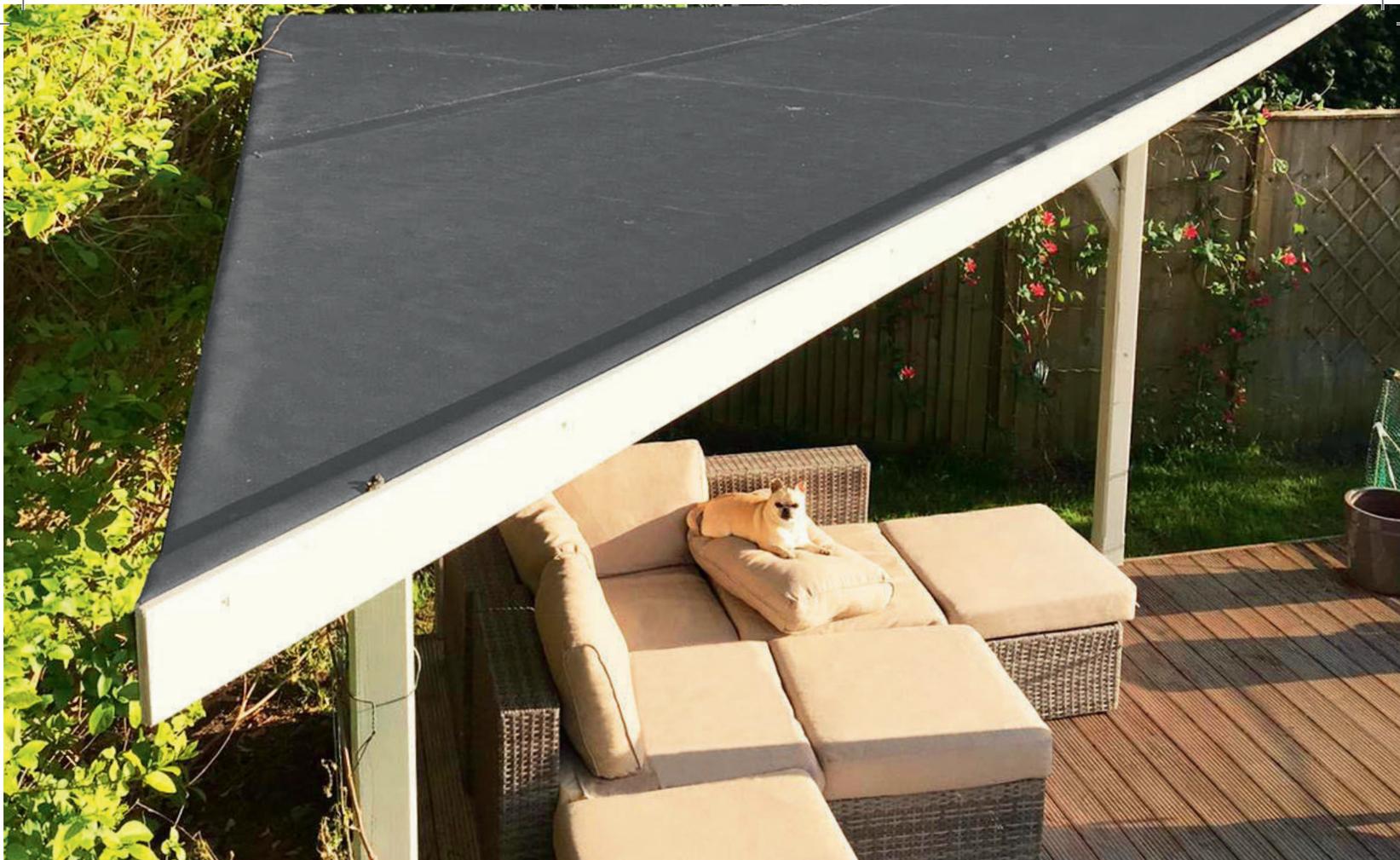
COLD
APPLICATION



SMART
APPEARANCE



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WHAT IS FLEXIPROOF FLEECE-BACKED EPDM?

FlexiProof fleece-backed EPDM is a high specification engineered single-ply roofing membrane designed for flat roofs. It's the perfect solution for all residential refurbishment and new build extension works.

The tough 1.2mm EPDM membrane is laminated to a thick 300gm fleece, enabling the membrane to lay flatter and effectively cover slight imperfections in the roof deck for a perfect finish. Compared to other standard EPDM products available, FlexiProof fleece-backed EPDM also provides a superior bond strength, which helps prevent shrinkage in the roofing system.

Technology makes all the difference

Our embedded fleece technology does not rely on adhesives to bond the fleece to the membrane. Produced in an ISO 9001-registered factory, we use an innovative process where the fleece is embedded into the membrane during the manufacturing process itself. Not only does this provide complete fusion of the fleece backing to the membrane, the process is highly efficient and environmentally friendly.

Manufactured for the professional installer

Innovation doesn't stop there, the range of roll widths available is designed to eliminate wasted membrane. Plus pre-taped turbo seam technology ensures fast and reliable installation on site. FlexiProof fleece-backed EPDM combines quality, performance and durability with easy installation, which results in the ultimate aim of satisfying your customers' expectations.

THE BENEFITS OF USING FLEXIPROOF FLEECE-BACKED EPDM

- Safe, cold applied flame-free installation
- Available in a variety of roll widths to minimise waste
- Clean membrane
- Weighs much less than bitumen-based roofing systems
- Pre-taped turbo seams for quick and reliable on-site jointing
- Grey fleece and colour-coded adhesives for easy application
- Impressive elongation, which allows for all typical building movement
- Fleece-backing for added toughness and higher puncture resistance
- 50-year life expectancy
- Supplied with 20-year factory warranty and insurance-backed warranties are also available
- CE-marked and manufactured in an ISO 9001-registered facility



50-YEAR LIFE
EXPECTANCY



25-YEAR MEMBRANE
WARRANTIES



PERMANENTLY
UV STABLE



ECO-FRIENDLY
PRODUCTION



COLD
APPLICATION



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APPLICATIONS & USES

FlexiProof fleece-backed EPDM is suitable for all flat roof applications ie a roof that is greater than 1:80 (the minimum finished fall allowable under BS 6229) but less than 10 degrees. The roof build up can be of warm or cold construction, but must satisfy all acoustic, thermal, fire, durability and safety requirements. Please contact your local planning department services for specific guidance.

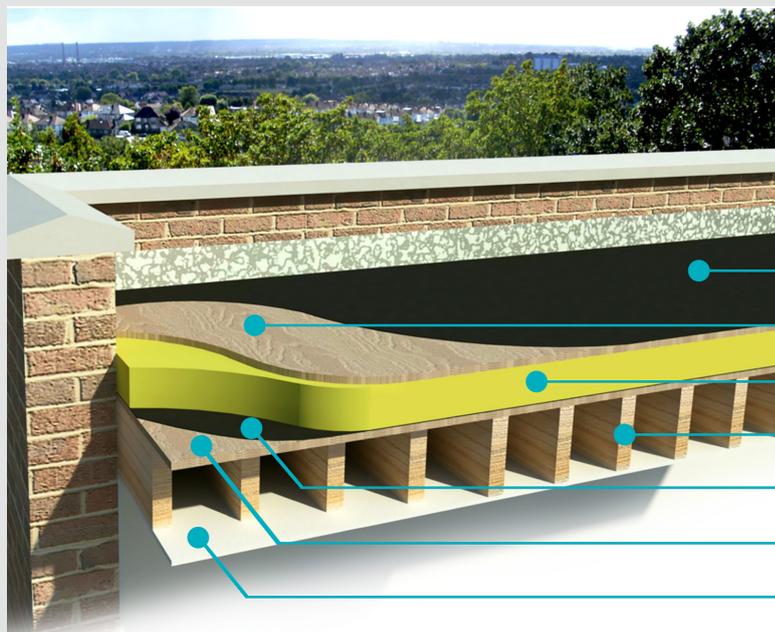
Warm roof construction

This is a modern method of flat roof construction and should be used wherever possible, unless specific projects are unable to accommodate this design.

The 18mm roof grade deck is fixed on top of the structural rafters and a vapour control layer installed on top of the deck to reduce condensation. The insulation material is then placed over the vapour control layer. Depending on the type of insulation used, an additional layer of 11mm deck may be placed on top, which will prevent the insulation from being depressed should the roof be walked on. The EPDM membrane is then installed using the contact adhesive onto that deck.

Warm roof construction ensures that the deck is maintained at a temperature consistent with the rest of the property, which negates the problem of condensation and fully complies with current building regulations.

Warm roofs can also accommodate a top layer of paving or ballast on top of the EPDM membrane if a protective/drainage layer is incorporated. It's also possible to install a green roof, which has obvious environmental benefits.



Approved warm roof build up

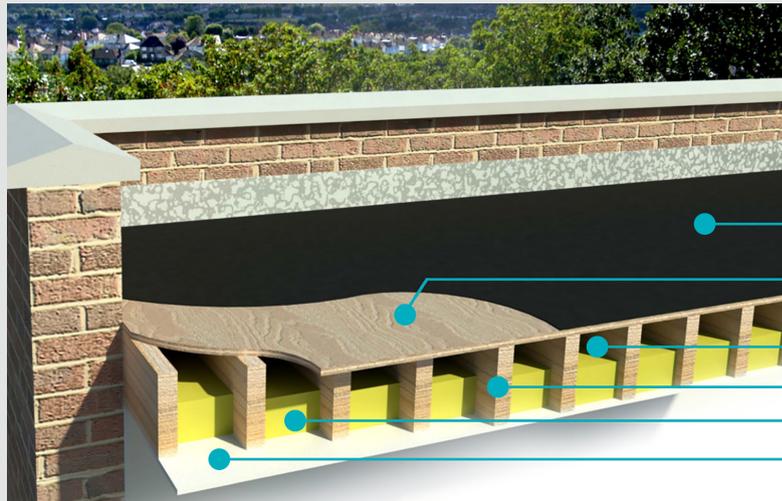
- FlexiProof fleece-backed EPDM membrane
- 18mm OSB 3 roof decking
- appropriate thermal insulation
- structural joist
- vapour control layer
- 18 mm OSB 3 Roof decking
- ceiling

Cold roof construction

This is the most common method of construction but also the least thermally efficient.

The insulation material is placed immediately above the ceiling in between the rafters. The 18mm roof grade deck is then fixed on top of the rafters and the FlexiProof membrane installed using the contact adhesive onto the deck. The roof deck and roof space are at or near the external air temperature and care must be taken to ensure the void below the roof deck is well ventilated to prevent condensation.

As with warm roofs, a top layer of paving, ballast or green roof can be installed on top of the cold roof as long as a protective/drainage layer is incorporated.



Approved cold roof build up

- FlexiProof fleece-backed EPDM membrane
- 18 mm OSB 3 roof decking
- ventilated air gap
- structural joist
- appropriate thermal insulation
- ceiling

LESS WASTE ON EVERY INSTALLATION!

Generally, fleece-backed EPDM is available in very limited roll sizes. This inevitably results in wasted materials, which reflects on profitability and the final finished cost of the roof. FlexiProof has addressed these problems and made innovative improvements, bringing great benefits to the installer and property owner.

- 1.5m wide x 15m long rolls with slicing tape on three sides to allow on-site joining of roll ends without the use of cover tape
- 60m long rolls to allow continuous lengths to be cut for specific roof size
- 750mm wide x 60m long rolls to prevent waste on awkward size roofs, perfect also for flashing large upstands.

All rolls are pre-taped for greater efficiency on site and, importantly, the highest quality jointing during installation. It means work can be completed in a timely manner and, in most cases, with the bare minimum of waste – a job well done and customer satisfaction guaranteed!





ADHESIVES

Water-based Deck Adhesive

FlexiProof Water-based Deck Adhesive is a high-performance, water-based contact adhesive for bonding FlexiProof membranes to timber roof decks.

Spray Contact Adhesive

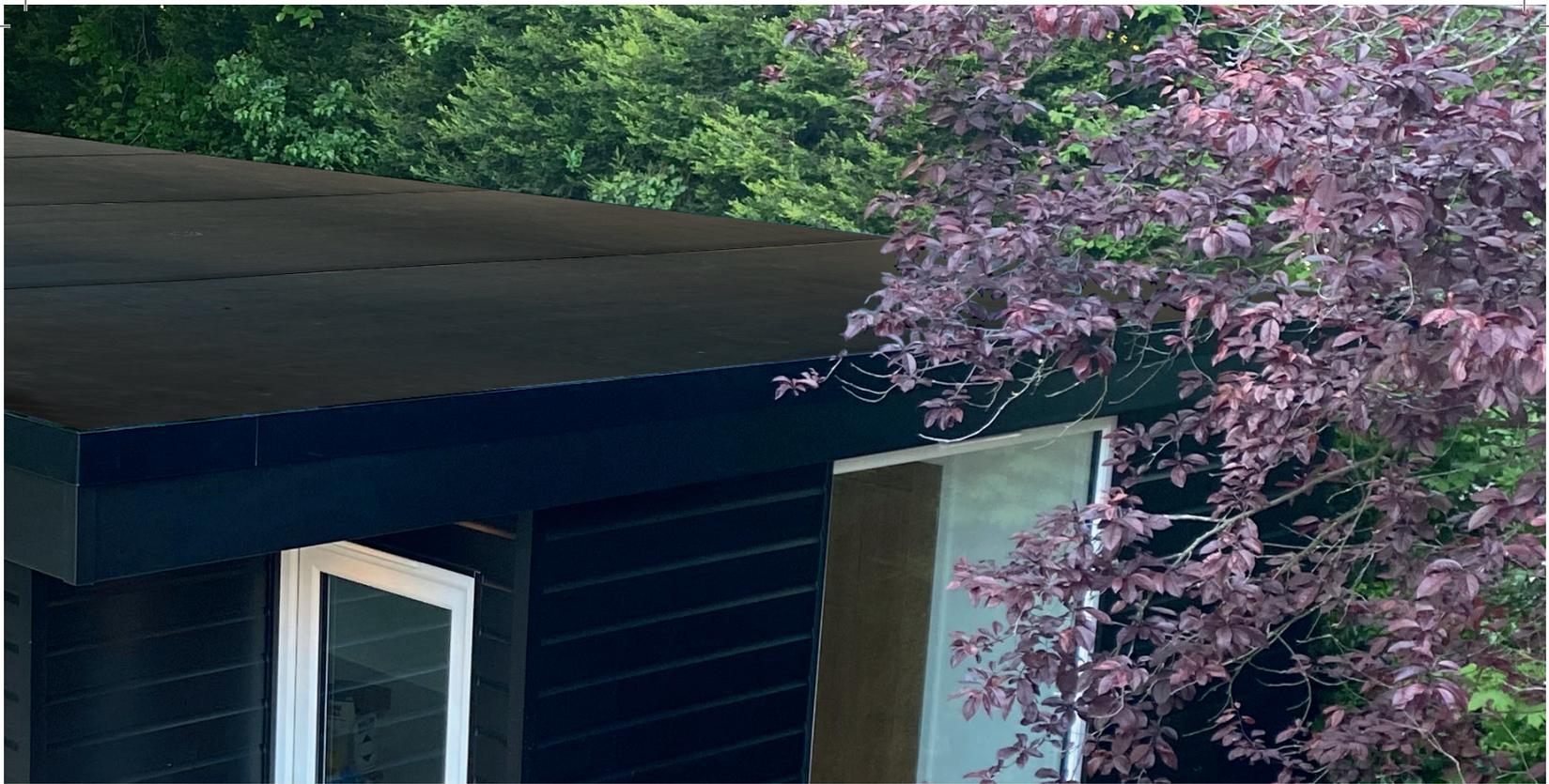
A high strength contact adhesive for bonding EPDM membranes to a timber deck and suitable for both horizontal and vertical bonding. Dispensed via a spray nozzle, application is fast and clean.

Contact Bonding Adhesive

A high strength contact adhesive for bonding EPDM membranes to timber decks and suitable for both horizontal and vertical bonding. The adhesive can be applied using a roller or brush.

Spray Contact Adhesive Tank

A high strength contact adhesive suitable for both horizontal and vertical bonding. Dispensed via a spray gun and hose, application is fast and clean – ideal for coverage of large areas.



TAPES & PRIMER

Cover Tape

A semi-cured EPDM membrane laminated to a fully cured and pressure-sensitive EPDM tape. Used for stripping in metal edging, drip edges, gravel stops and fastening plates. Also suitable for performing butt joints in FlexiProof EPDM membranes. Available in 6" (150mm) and 12" (300mm) widths.

Flashing Tape

A self-curing and extremely flexible tape, easy to mould when working with awkward and irregular shapes and surfaces. Ideal for flashing and waterproofing of roof details such as pipes, corners, outlets and other penetrations. Available in 9" (225mm) and 18" (457mm) widths.

High Tack Primer

A fast and effective solution for priming the EPDM rubber roofing membrane sheet prior to the application of pressure-sensitive tapes and other accessories. 100% compatibility with the FlexiProof EPDM membrane and tapes ensuring ongoing durability.



DRAINS & OUTLETS

Internal drain

Connects to a 68mm/100mm/110mm rainwater pipe (standard domestic UK size) on flat roofs, gutters, domestic and commercial buildings and designed to form a perfect seal within the pipe. High resistance to UV light, ozone, movement and cracking.



Horizontal outlet

Used primarily to drain water through walls and pitched roofs but can also be used as a vertical drain in box gutters. The outlet is made of IGOM, a compound of synthetic rubber.



Balcony outlet

Used primarily to drain water through walls and pitched roofs where the height is restricted. The outlet is made of IGOM, a compound of synthetic rubber.



EPDM pipe seal

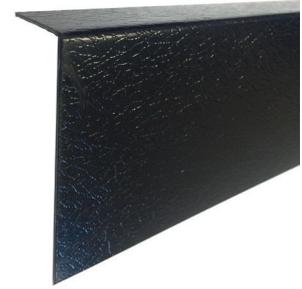
Made of cured EPDM with a pressure-sensitive tape applied to the bottom of the pipe flange. It's ideal for quick and easy flashing of pipes of 12mm-150mm diameter. It comes complete with a stainless steel clamp to secure the pipe seal collar to the pipe.



METAL TRIMS

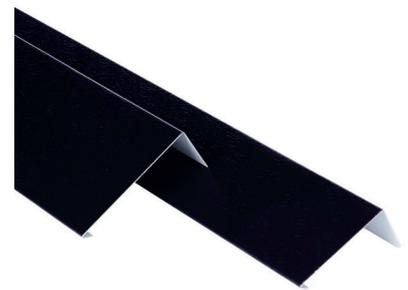
Wall Flashing Trim

A preformed tough plastisol-coated steel sheet is a cost-effective solution compared to lead flashing. Designed to terminate the EPDM membrane where the flat roof meets a wall or parapet and so prevent water running down the back of the membrane. Available in one size only.



Metal Edge Trim

Provides an economical but high-quality finish to the roof perimeter. The 3-metre length trim makes it efficient to install and features a drip return on the bottom. Available in 3-metre lengths across a range of heights.





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📍 FLEXI PROOF® FLAT ROOF SYSTEMS
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BEARE GREEN, DORKING, RH5 4PT

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