

www.rubberbond.co.uk



Commercial flat roofing at its best

Long-term protection

Whatever your flat roofing requirement, you can be confident that a RubberBond® FleeceBack installation will give you a high quality, long term flat roofing solution.

Approved by both the British Board of Agrément (certificate no.02/3967) and the National House-Building Council (NHBC), you can be assured you are receiving a product that meets the highest quality standards.

www.bbacerts.co.uk

As a member of the RIBA NBS Plus service we can provide our clients with bespoke NBS format specifications for any project. RubberBond specifications are available to download in document format from the RubberBond FleeceBack or Riba Product Selector websites.

www.rubberbond.co.uk

www.ribaproductselector.com



Not all membranes are equal

Choosing the correct system for your flat roof isn't always an easy prospect

RubberBond FleeceBack leaves rivals behind, not only due to the benefits of fleece reinforcement, but also due to the unique patented technology used in the manufacturing process.

Comprising two layers laminated together to create a resilient 2.6mm membrane, the waterproofing 1.2mm thick EPDM membrane bonded to a strong 1.4mm deep polyester fleece backing. RubberBond FleeceBack membrane has 80% greater puncture resistance and 180% greater tear resistance than commercial grade 1.5mm EPDM.

You can't manufacture experience

Carlisle Syntec has been the global leader in EPDM roofing membranes since their introduction over 50 years ago. The history of Carlisle is built on EPDM, the number one choice of consultants, contractors, architects and building owners across the globe. With more than 1.2 billion square meters of EPDM membrane installed, Carlisle has covered significantly more flat roofs worldwide than any other manufacturer.

It is this unparalleled experience combined with pioneering technological advances in roofing membranes that has led to the development of RubberBond FleeceBack.

Professional and responsible

Having been British Isles distributor for over a decade Flex-R Ltd. has built a close relationship with an ever growing network of Approved Contractors who offer a superior installation and customer experience throughout the roofing project.



Sustainability

Invest today to save later

The average annual cost of a RubberBond FleeceBack EPDM roof system offers significant savings beyond those of a typical 10 or 20 year roof system. A long-term EPDM solution reduces the hassle and cost associated with a lower quality roof.

Energy efficiency

Carlisle EPDM roof systems provide performance and savings for decades. Long-term analysis demonstrates that choosing EPDM can cut the lifecycle costs of a roof by as much as 25%, an investment resulting in savings throughout the life of a roof. Research demonstrates that the amount of energy required to produce EPDM, from extraction to installation, is lower than any other single ply material.

Weather resistance and reparability

Carlisle recently updated its Xenon Arc weathering data which accurately reflects EPDM's superior long-term performance. The Xenon Arc test measures how much energy a product can be exposed to without exhibiting cracks or crazing. Carlisle's EPDM achieved $41,580 \text{ kJ/m}^2$, outperforming its own TPO and PVC membranes by more than double. The long-term weather resistance and reparability of EPDM continue to be major points of differentiation that building owners and design professionals take into consideration when selecting roofing systems. A roof's primary function remains to keep a building dry and EPDM is unmatched in its ability to do so.

Green Roofs and Terraces



Schools and Universities



Warehouses & Storage



Maintaining performance

Aged EPDM makes the grade

Carlisle EPDM samples taken from 30 year old rooftops were analysed for elongation, tensile strength, thickness and factory seam strength. All exceeded ASTM standards for aged membranes, proving that even 30 year old EPDM has the physical attributes to provide building owners with the watertight protection they want and need.

Performance

FleeceBack EPDM is the ideal membrane for any climate or condition. EPDM roofs expand and contract along with temperature changes, allowing them to perform like new for decades. When put to the test against Mother Nature, RubberBond FleeceBack EPDM comes out the clear winner, time and time again.

Ultra durable

With 80% greater puncture resistance and 180% greater tear resistance than standard 1.2mm non-fleeced EPDM, using RubberBond FleeceBack EPDM to protect your property will give you peace of mind for years to come.

Apartments and Flats



New Developments



Offices



FleeceBack technology

The unique patented technology used to laminate the EPDM waterproofing layer to the fleece layer eliminates all shrinkage that adversely affects many single ply systems. This often overlooked benefit means there is no requirement for peel stops or base tie-ins, details required by the majority of other single ply systems, including non-fleecebacked EPDM, to control the expected shrinkage.

The standard of innovation

- Factory Applied Tape (FAT) reduces seaming time and increases seam performance
- Prefabricated, pressure-sensitive accessories manufactured in a factory-controlled environment
- Broad product line to meet the needs of any project
- Wide-width membranes reduce number of field seams and increase speed of installation



Service and support

Service and support are part of our product

Only trained and approved contractors

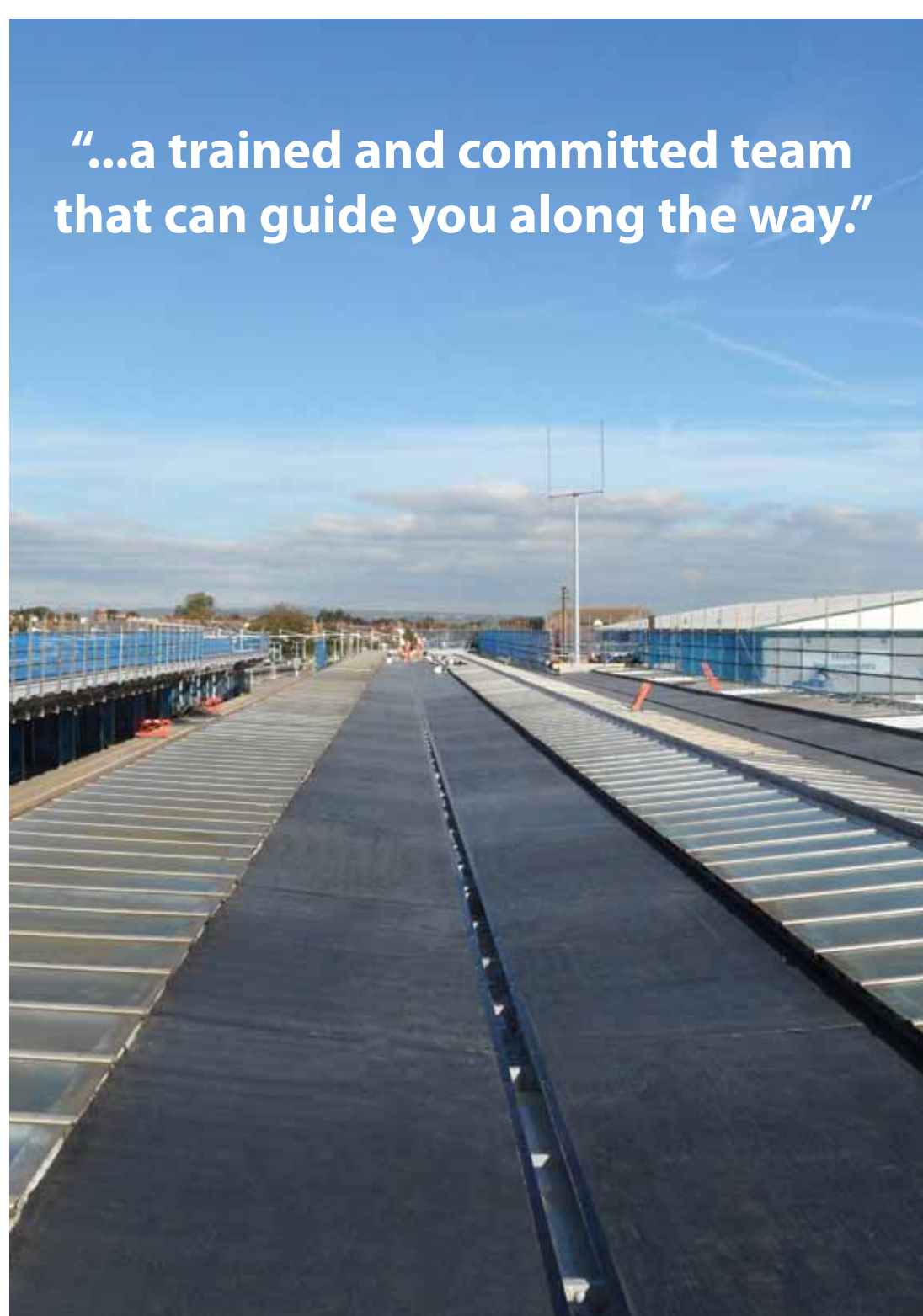
As a premium single ply membrane RubberBond FleeceBack offers benefits that a lower grade roofing system cannot. To ensure these benefits are received by the end user RubberBond FleeceBack can only be obtained & installed by trained and approved contractors. All RubberBond FleeceBack installers must pass a course at our training facility in Buckinghamshire followed by further, comprehensive onsite training.

Supporting our contractors

We make sure our contractors have the support they need to complete their projects to the highest standard. All members of our technical team have unrivalled experience in the roofing industry and are always on hand to offer technical advice, guidance and support whether on-site or from our training and support centre.

- Attendance at pre-start meetings
- Comprehensive installation inspection visits
- A final inspection of the work to ensure that the highest level of workmanship has been achieved before a guarantee is issued

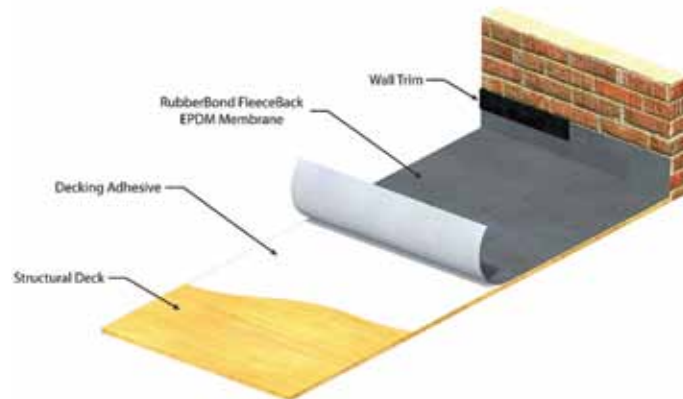
“...a trained and committed team that can guide you along the way.”



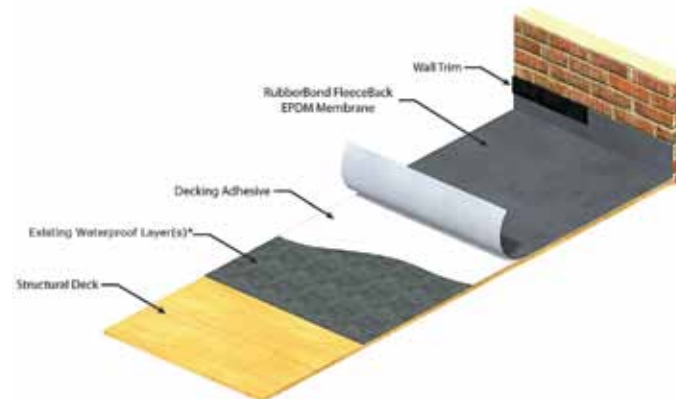
Roof design

The variety of roof build ups and surfaces that are encountered in the refurbishment of flat roofs or the design limitations of some systems when creating new flat roof areas are not a concern when choosing RubberBond FleeceBack EPDM for your next roofing system. The unique FleeceBack membrane allows easy installation onto a variety of deck surfaces resulting in a system suitable for overlayment of existing surfaces, roof renovation and new projects, in small and large commercial installations.

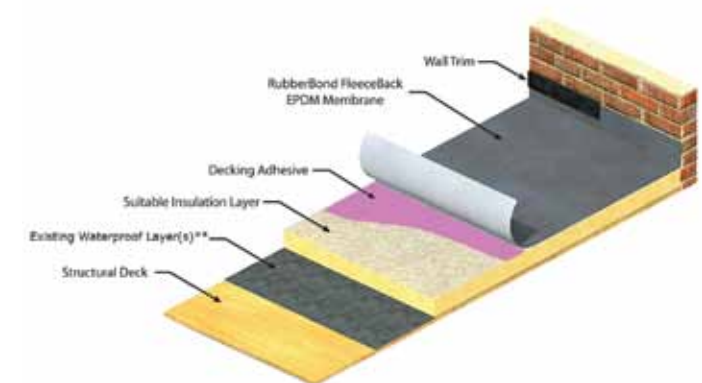
Cold Roof Direct Assembly



Cold Roof Overlay Assembly



Warm Roof Overlay Assembly



*Contact our technical department for adhesive compatibility. ** The existing waterproof layer(s) may be used as a vapour control layer (VCL). Contact our technical department to confirm material suitability.

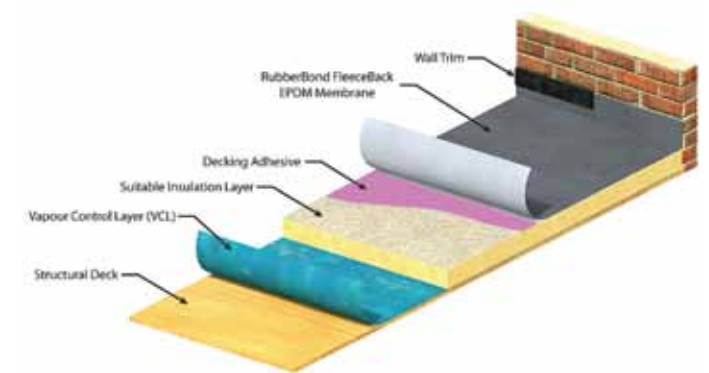
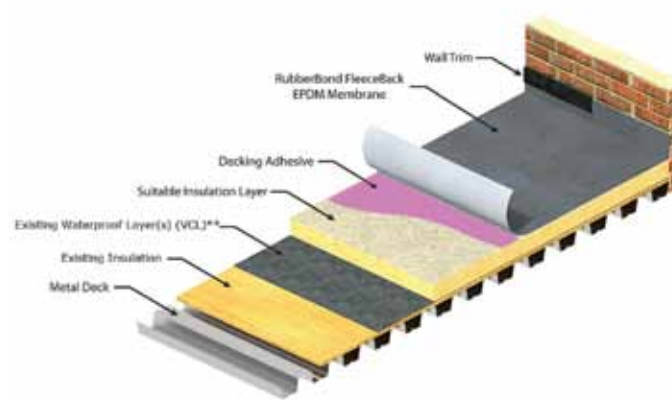
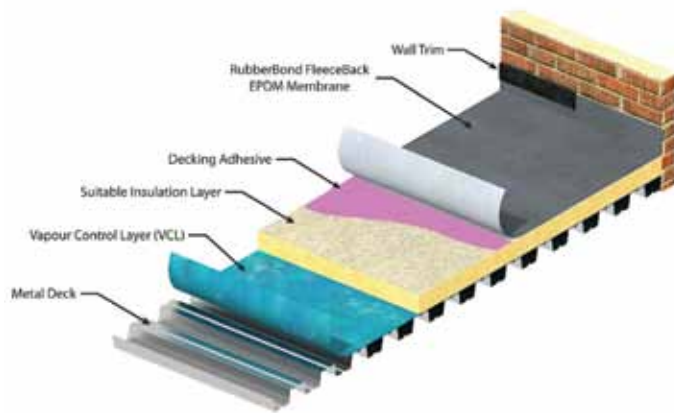
Adhesive technology

The RubberBond FleeceBack EPDM roofing system incorporates a range of adhesives to overcome virtually any substrate and temperature variation, essential in a climate that varies so frequently. The fleece backing and adhesive combination give the property owner the benefits of superior wind uplift resistance and bond adhesion due to the excellent strength achieved between the two layers that cannot be achieved with non-fleecebacked membranes.

Warm Roof New Assembly (Metal Deck)

Warm Roof Overlay Assembly (Steel Deck)

Warm Roof New Assembly (Structural Deck)



** The existing waterproof layer(s) may be used as a vapour control layer (VCL). Contact our technical department to confirm material suitability.

Saving energy

Low carbon footprint

The Athena Institute, a non-profit lifecycle analysis (LCA) organisation specialising in building materials, recently updated its EcoCalculator to include LCA data for EPDM membranes. The institute found that EPDM has the lowest Global Warming Potential of any major commercial roofing material. In fact, EPDM can offset its carbon footprint in as little as 15 years, compared to other materials that may require up to 54 years of service life to equal the carbon footprint resulting from their manufacturing process.

Dark coloured membranes outperform white in cool climates

Because they attract and collect more heat, dark coloured roofing materials such as RubberBond FleeceBack EPDM help building owners save more energy in cooler climates by reducing a buildings overall heating demand. Black roofs also create fewer carbon emissions than white roofs in these cooler climates.

It is important to properly insulate a flat roof to meet the required building regulations in order realise the benefits of any roofing membrane.



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