



Roofing the world for over 50 years

Sustainable roofing isn't about colour, it's about performance, which is why Carlisle Syntec and RubberBond offers the most diverse and versatile line of EPDM membranes on the market. When you need an energy efficient and sustainable roof system, look no further than the single ply membrane with a half century track record of performance and durability.. Carlisle RubberBond EPDM.

Heating Reduction hit the Key to Energy Savings in Cool Climates

In northern European countries e.g. UK & Ireland, heating accounts for a significantly larger percentage of total-building energy consumption than air conditioning. So reducing heating consumption is more critical to energy savings than reducing air conditioning usage, especially in cooler climates where heating degree days (HDD) outnumber cooling degree days (CDD).

Dark Coloured Membrane 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 because of the reduced heating demand they create.

Of course, insulation is the proper key top any energy efficient roof system, regardless of membrane colour.

That Leak Doesn't always Mean there's a Hole in Your Roof

In cooler climates, reflective roofing materials may not get warm enough during the day, which can promote moisture accumulation within certain roof assemblies. What appears to be faulty roofing material may actually be condensation forming inside your building.

A combination of RubberBond EPDM and properly design and installed insulation can help counteract the forces that lead to condensation related leakage.

ENERGY End-Use Intensities

Building Type	Space Heating % of total	Space Cooling % of total
Education	33%	5%
Health Care	55%	10%
Retail & Service	31%	6%
Office	24%	9%
Public Assembly	54%	6%
Warehouse & Storage	16%	1%
All Buildings	29%	6%

Buildings Energy Data Book: 714 Typical Commercial Buildings September 2007



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Exclusive UK & Ireland distributors for Carlisle-Syntec and RubberBond EPDM

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- Flex-R Ltd., Unit 5 Central Park, Bellfield Road, High Wycombe, Bucks. HP13 5HG



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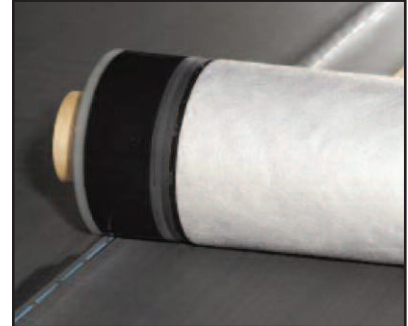




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Innovation is the Key to Sustainability and Performance

Carlisle offers a number of innovative products that are proven to increase the long term sustainability and performance of its EPDM roof systems. From its patented Factory Applied Tape (FAT™) seam technology to its prefabricated pressure sensitive accessories, RubberBond has every detail covered. These revolutionary products help reduce the risk of rooftop failure and increase roof system sustainability by virtually eliminating the potential for human error during installation.

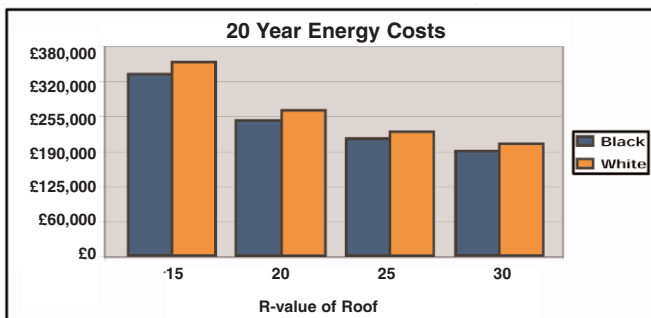


The Proof is in the Numbers

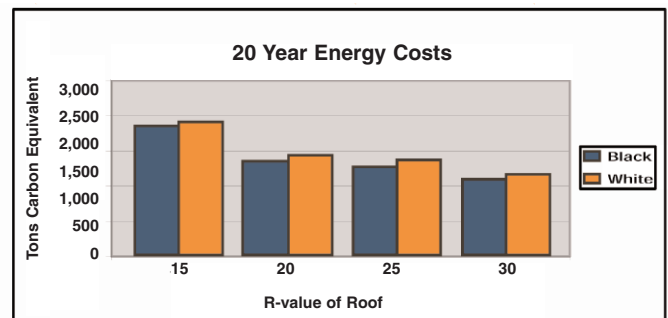
RubberBond's EPDM can help you save more money on your energy costs in a variety of locations

Birmingham/Edinburgh (ASHRAE* Zone 5)

ENERGY COST COMPARISON

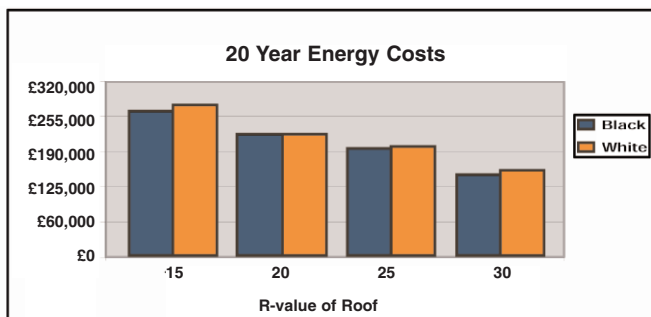


CARBON POTENTIAL COMPARISON

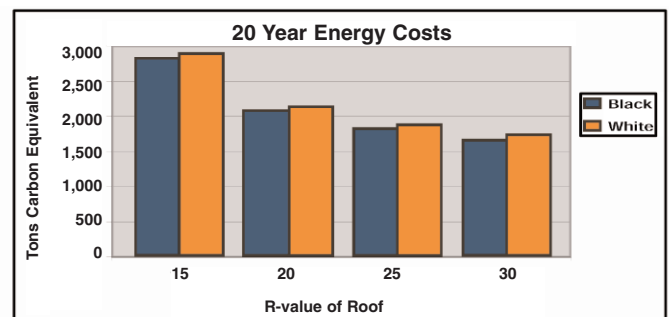


London (ASHRAE* Zone 4)

ENERGY COST COMPARISON



CARBON POTENTIAL COMPARISON



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*American Society of Heating, Refrigerating and Air Conditioning Engineers

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