

over-roo-**FILON**-ing

The roof refurbishment problem solver



• Quick and easy to install • Economical • No planning requirement • Minimal extra weight • Minimal disruption

UPGRADED SYSTEM

Gives improved thermal insulation in line with initiatives to reduce carbon footprint and save energy

FILON®

over-roofing FILON

The proven solution for replacement or repair of asbestos cement or metal roofs

The patented Filon Over-Roofing system has been proven in countless diverse applications throughout the UK – from factories and industrial units to leisure centres, retail stores and local authority housing.

Utilising durable profiled GRP sheets, it is designed to make roof replacement or repair quick, trouble-free and economical. Whatever the condition of the existing roof.

Fast, easy installation

FILON's Over-Roofing System is supplied to match most existing roof profiles. The patented Profix spacer is unique and is designed for easy installation.

The economical solution

Low-cost Filon Over-Roofing saves on-site time to further reduce installation costs.

Asbestos and metal profiles

Most asbestos cement roof profiles can be matched, as well as many metal trapezoidal profiles.

Minimal weight – no planning requirement

Filon Over-Roofing is very lightweight yet strong and is manufactured to the same profile as the existing roof.

It therefore requires no additional structural supports.

Minimal disruption on-site

Fixed from the outside, Filon Over-Roofing allows total roof replacement or refurbishment to be carried out with minimal disruption to building occupants.

Considerably extends the life of the building

Filon Over-Roofing can make building refurbishment a cost-effective alternative to redevelopment.

Improved insulation

Glass fibre quilt can be incorporated into the system to improve insulation values.

Fixed costs are minimised

Filon Over-Roofing is a one-fix system, saving considerably on time.

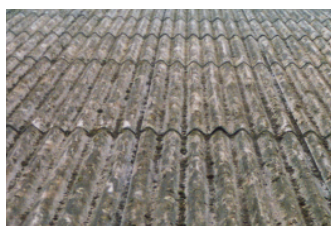
No asbestos handling or disposal problems

Filon Over-Roofing eliminates considerable costs and landfill taxes implemented when asbestos has to be removed.

Proven in use

Filon Over-Roofing has been proven in hundreds of applications around the UK, for clients including: British Steel; Royal Mail; Granada TV; Jewsons; Rolls Royce; Comet; Marks & Spencer and many, many more.

Filon Over-Roofing makes roof replacement or repair quick and simple



Before

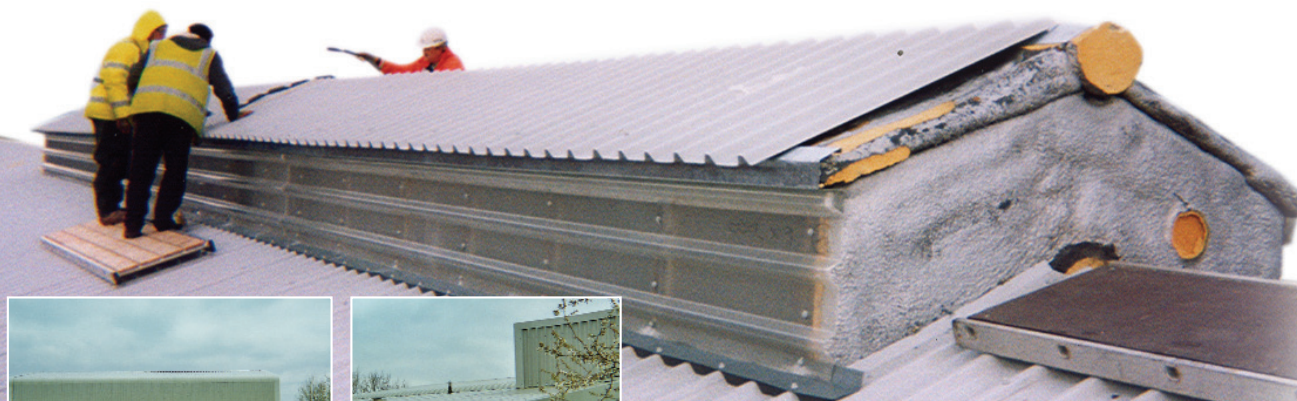


During installation



After

Whatever the condition of the existing roof, Filon Over-Roofing is the trouble-free solution, with little disruption to building occupants.



Sports hall roof refurbishment, Newbury, Berkshire

This roof in Darlington, had previously been sprayed with urethane foam in an attempt to cure water ingress. The foam had reacted to the asbestos cement, resulting in increased water ingress. Filon over-roofing solved the problem.

A typical Filon over-roofing installation, showing Profix spacer

Patented Profix spacers for the Filon over-roof system come in two sizes **Profix 25** (for use with either no insulation or up to 50mm loose quilt insulation) **Profix 60** (for use with 100mm loose quilt insulation)

Upgraded system brings compliance with the new Building Regulations

Proven in countless diverse applications throughout the UK, the patented Filon over-roofing system has been subject to further development to provide improved thermal insulation. The upgraded system falls in line with new initiatives to save energy and reduce carbon emissions. Filon over-roofing is available in the following standard profiles:

Bigsix
Standard Six
Cape Fort
Cape Monad
Doublesix
Doublesix M
Major Tile
Trafford Tile
Canada Tile
Atlas Tile
Turnall Combined



A factory roof in Camberley, Surrey, before and after refurbishment with Filon over-roofing

Building Regulations

Opaque Filon GRP sheets to match existing asbestos cement and metal profiles comply with Building Regulations requirements.

Fire performance

Filon Over-Roofing sheets are available in three fire-resistant grades. Generally, all roof sheets will be grade 300 designated AB under BS 476 Part 3 and any existing rooflights which are replaced will be grade 104 rated Class 1 under Part 7.

Grade	BS 476	Part 3	Part 6	Part 7
101		AA	Class 0*	Class 1
104		AA	-	Class 1
300		AB	-	Class 3

*By definition under UK Building Regulations, Filon sheets manufactured with Filon Grade 101 that have an index of performance of less than 12 and 6 when tested to BS 476: Part 6, are designated Class 0.

Standard colours

Cement Grey. Other colours can be made available dependant on quantity required.

Lengths

Supplied in lengths required for individual applications up to 12m. Filon Over-Roofing can be laid as one sheet from ridge to eaves over existing end laps, simplifying fixing and minimising laps on the new over-roof.

Weights

The minimum sheet weight for the system is 2.44 kg/m². Heavier and reinforced sheets are manufactured to meet specific structural or wind loading requirements (please contact our Technical Department).

Flashings/ridge

Machine-made adjustable two-piece plain winged ridge flashings and plain edged crown units are available. Hand made profile crown ridge units and turned down eaves units can be made available.

Insulation

Maximum 100mm quilt fibreglass mat can be used underneath the system, using the Profix 60 spacer. Other forms of insulation such as Multi-foils could be considered and offer excellent insulation values. Clarification as to their use for any particular project should be sought from the manufacturer of the insulation foils as to suitability.

Compatibility

No chemical reaction with other established building products.

Means of escape

Filon Over-Roofing must not be used where the existing roofs form part of or is located under a fire escape.

Labour safety

Do not walk on sheets. Always use crawling boards. Attention is drawn to the Health and Safety Executive Guidance Notes HSG33 Safety in Roof Work. Under this guidance note asbestos cement sheets are classified as fragile roofing materials. Although Filon Over-Roofing will provide additional strength to the old roof, for the purpose of maintenance, the roof should still be regarded as fragile.

Transportation, handling and storage

Sheets are normally supplied loose. Store sheets on flat, clean and level battens at 1.5m centres. Stacks should not exceed 1m in height and must not overhang excessively at the ends. Protect against theft and from being blown away. Always protect sheets stored in the open with opaque water-proof covers.

FILON[®]

Filon Products Limited

Unit 3, Ring Road, Zone 2, Burntwood Business Park
Burntwood, Staffordshire WS7 3JQ, England

Tel: +44 (0)1543 687300 Fax: +44 (0)1543 687303

Email: sales@filon.co.uk

www.filon.co.uk

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