











PHOTONFOIL

PhotonFoil is a brand new range of British-made, thin reflective insulation products that make achieving Building Regs on your next loft conversion, extension or re-roofing project easy.

Using glasswool - an already established insulation choice - at its core, the PhotonFoil range delivers:

-  Better thermal performance (lower $\lambda_{90/90}$) than polyester based multifoils
-  Trusted thermal performance with established $\lambda_{90/90}$ value
-  Fire resistance - A1 non-combustible core
-  Insulation that's easier to cut than traditional multifoils and screws without snagging
-  A sustainable range
-  Has achieved LABC Registered Details
-  Value for money.

Thin, reflective insulation for loft conversions, extensions and re-roofing projects






-  Achieves a 0.18 U-value with 65mm foiled rigid insulation
-  LABC Registered Details
-  British-made and EU tested



Product data

Enveloped in a low emissivity foil, PhotonFoil makes loft conversions, extensions, new builds and re-roofing projects less of an insulation hassle. Our product is a lightweight, composite thin reflective insulation, available in 33mm, 40mm and 50mm thicknesses. Constructed as an air and vapour barrier the product has a high performance glasswool core encased in very low emissivity outer layers.

PhotonFoil:

-  Is tested to the new BS EN16012:2012 and $\lambda_{90/90}$
-  Has achieved LABC Registered Details
-  Uses established glasswool lambda values from EU testing in its calculations
-  Achieves a 0.18 U-value when used together with 130mm of glasswool/ 65mm of foiled rigid insulation
-  Is designed to be easy to install and save you money.

Thermic Technology is a British-based company specialising in the design and manufacture of thin reflective insulation for the professional and self build markets.





Our people have been at the forefront of the multifoil insulation industry since 2006 and understand how to create cost effective, thermally enhanced insulation products.

In designing the PhotonFoil range we have taken the best elements of multifoil insulation technology and combined these with a simple no-nonsense approach. The result is a more viable, everyday option for loft conversions, extensions, new builds and re-roofing projects.



Typical solution

Using 65mm foiled rigid insulation PhotonFoil33 will achieve a 0.18 U-value:

-  Pitched Roof
-  65mm foiled rigid insulation between rafters
-  PhotonFoil33 below rafters
-  U-value = 0.18 (Part L1B 2010)

Full details of Registered Solutions available at:
www.photonfoil.co.uk/solutions.php

 **MADE IN BRITAIN**

PhotonFoil Product Data	
Core $\lambda_{90/90}$	0.034 W/m.K
Emissivity	0.05
Water vapour resistivity	>6000 MN.s/g.m
Air leakage @ 100Pa	Practically zero
Fire performance	Class E
Thickness	33 mm
Width	1.2 m
Roll length	10 m



Getting in touch



Unit 16
 Moorland Gate Business Park
 Cowling Road
 Chorley
 PR6 9FE
 Phone: 01257 241084
 E-mail: info@thermictechnology.co.uk
www.photonfoil.co.uk

