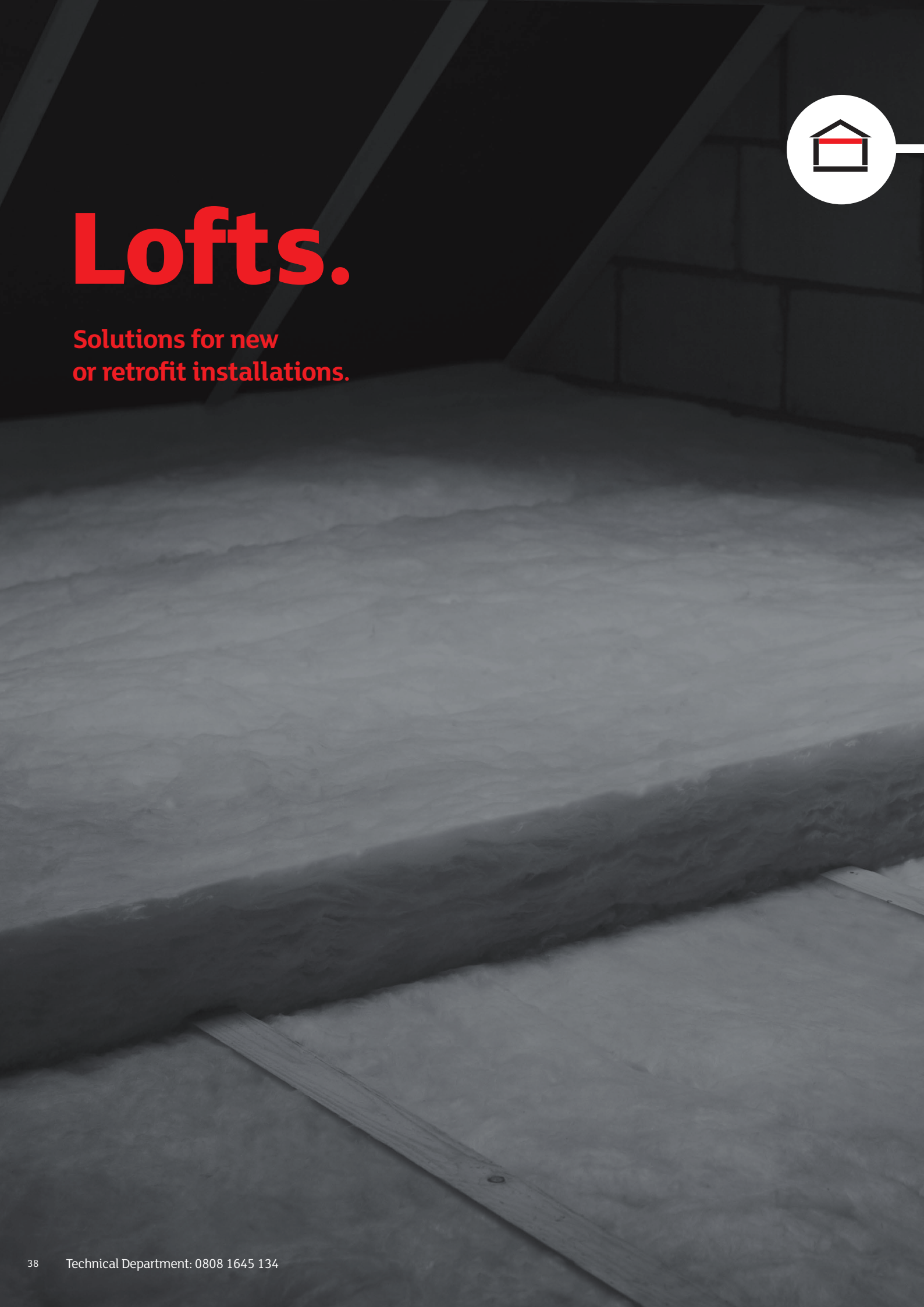


Lofts.

Solutions for new or retrofit installations.

Superglass Loft Insulation.

Traditional cold roof solutions offering installation flexibility and high thermal performance.

As much as a third of the heat from a typical house could be escaping through the roof. Superglass loft insulation works by preventing that heat loss.

Typically, homeowners can cut their energy bill by up to 20% through effectively insulating the loft space.

- Loft insulation is located between and cross-laid over the joists in the loft
- The recommended minimum depth for new build installations is 270mm
- Superglass Loft Insulation can help lower heating bills, wear and tear on the boiler and reduce global warming and climate change

Typical energy savings*

Loft Insulation (0 to 270mm)	Detached house	Semi detached house	Mid terrace house	Detached bungalow
Fuel bill savings (£/year)	£315	£135	£125	£195
Carbon dioxide savings ($kgCO_2$/year)	1300kg	510kg	530kg	830kg

*Source - Energy Saving Trust Estimates based insulating a gas-heated home with a totally uninsulated loft (0mm) with 270mm of loft insulation. Figures are based on fuel prices as of June 2021.

Thermal Insulation

Superglass Loft Insulation for cold roof applications

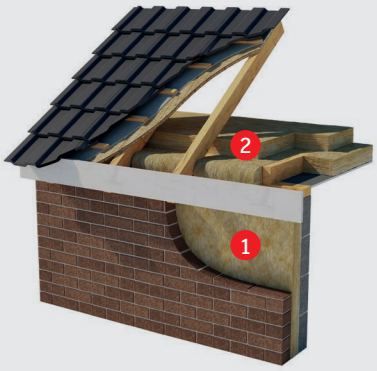
Multi-Roll 40 & 44 are lightweight, non-combustible glass mineral wool insulation products, designed to provide thermal insulation in lofts. The rolls may be split to allow the user the choice of any of the commonly required widths. The products are strong, flexible and resilient.

Superglass Products	Thermal conductivity
Multi-Roll 40	0.040 W/mK
Multi-Roll 44	0.044 W/mK

Our technical team will help you find **the best solution** for your application, call **0808 1645 134**.

Traditional built-in method:

Superglass Multi-roll 40 & 44



1. Superglass Loft Insulation between timber joists
2. Additional layer(s) cross-laid over timber joists

Typical U-Values achieved in cold roofs using Superglass Multi-Roll

	Multi-Roll 44							
U-Value (W/m²K)	0.18	0.15	0.14	0.13	0.10	0.09	0.09	0.08
Insulation (mm) cross-laid over timber joists	100	150	170	200	300 (150+150)	340 (170+170)	350 (150+200)	400 (200+200)
Insulation (mm) between timber joists	150	150	150	150	150	150	150	150
	12.5mm Plasterboard (0.19W/mK)							

	Multi-Roll 40 (0.040W/mK)					
U-Value (W/m²K)	0.17	0.14	0.12	0.09	0.08	0.08
Insulation (mm) cross-laid over timber joists	100	150	200	300 (150+150)	350 (150+200)	400 (200+200)
Insulation (mm) between timber joists	150	150	150	150	150	150
	12.5mm Plasterboard (0.19W/mK)					

Calculated using 600mm timber joist centres (9% bridging) and loft hatch with 50mm insulation

For any U-value calculations for alternative construction build-ups and written calculations, please email Technical-uk@tn-i.com

Alternative method:

Superglass Superwhite 42 – Loft Blown Wool

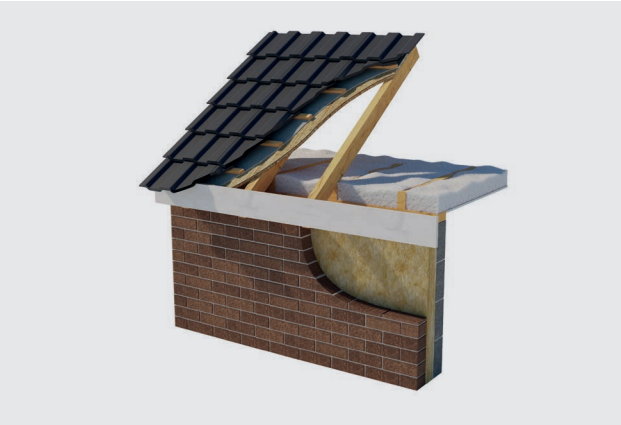
Superglass Superwhite 42 is a glass mineral wool blown loft insulation with a water repellent additive to enhance it resistance to moisture. Superwhite 42 has a declared Lambda 90/90 value of 0.042W/mK

Application

Superglass Superwhite 42 is designed specifically to provide thermal insulation in new or existing loft/cold roof spaces of up to 500mm. Blowing the insulation can be a better solution particularly in hard to treat lofts, where conventional rolls can't be easily installed.

Installation

Most mineral wool blowing machines can be used to install Superwhite 42 under the supervision of a professional company.



Settlement Class

Superglass Superwhite 42 has undergone settlement testing in accordance with BS EN 14064-1: 2010 and given a settlement class of S1.

Typical U-Values achieved in cold roofs using Superglass Superwhite 42

	Superwhite Loft Blown Wool (0.042W/mK)					
U-Value (W/m²K)	0.17	0.14	0.14	0.12	0.11	0.10
Insulation (mm) over timber joists	100	150	170	200	250	300
Insulation (mm) between timber joists	150	150	150	150	150	150
	12.5mm Plasterboard (0.19W/mK)					

Calculated using 600mm timber joist centres (9% bridging) and loft hatch with 50mm insulation