

SPOTLIGHT ON...

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SPOTLIGHT ON...



REFURBISHMENT IS THE KEY



It is estimated that 85% of our existing building stock will still be standing in 2050, so for the government to reach its ambitious target of an 80% reduction in CO₂ emissions by 2050 we have to tackle the question of upgrading the energy efficiency of our existing buildings head on. Kingspan Insulation has produced a simple guide to effective insulation solutions for every part of the building envelope, even those areas that are sometimes thought of as difficult, such as solid walls.



Clearly, blown cavity wall insulation is useless if you are dealing with an older solid walled property.

The Kingspan Insulation refurbishment guide offers three potential solutions for dealing with this scenario: one external and two internal. External insulation is often the preferred method: it is less disruptive for the building occupier and it does not take up any living space. In this instance, just 50mm of Kingspan Kooltherm K5 External Wall Board, with a polymer render on 215mm brickwork and dense plaster will provide a U-value of 0.35 W/m².K.

However, there are times when external insulation is not an option. It involves rendering the outside of the building, which may not be permitted for conservation reasons or may not be desirable. Kingspan Kooltherm K18 Insulated Plasterboard provides the solution here, with 52.5mm on timber battens also providing 0.35 W/m².K. This premium performance rigid phenolic insulation product ensures that minimal space is taken up, but excellent thermal efficiency can still be achieved. The advantage of this method is that it also improves the appearance of internal walls, particularly where older plaster may be cracked or crumbling.

For walls where heavy fixtures and fittings will be mounted, such as kitchen cupboards, 40mm of Kingspan Kooltherm K12 Framing Board on battens with a top layer of plywood and plasterboard does the job.

Of course, it isn't just walls that benefit from being upgraded; insulating floors and all types of roof will also save on heating bills and help to cut CO₂. For the full range of refurbishment solutions from Kingspan Insulation see the refurbishment mini guide. Full details of all of Kingspan Insulation's product range can also be found in their handy sized Product Selector.

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Kingspan Insulation has produced a simple guide to effective insulation solutions for refurbishment.

Kingspan Insulation is the world's leading manufacturer of rigid phenolic and rigid urethane insulation, specialising in the solution of insulation problems and offering one of the widest ranges of insulants available from any UK manufacturer.

Kingspan Insulation manufactures and supplies some of the most thermally efficient and technically advanced roof, wall and floor insulation products around today. Kingspan Insulation products have been used in buildings throughout all construction sectors, including hospitals, schools and leisure centres as well as housing, industrial and commercial buildings.

All Kingspan Insulation products are designed and manufactured to exceed the performance criteria required by the Building Regulations, and are produced to the highest standards, including BS EN ISO 9001, 14001 and 18001.

ABOUT SIG INSULATIONS

SIG Insulations is the UK's market leading specialist distributor of insulation, dry lining and related products to construction and industry, comprising 21 companies and serving a wide range of industries and specialist markets.

Our businesses are engaged in the following areas, offering customers a service that fully integrates products, solutions and technical support.

- Insulation materials for thermal, acoustic and fire protection
- Timber frame insulation
- High temperature insulation
- Dry lining and plasterboards
- Fire protection boards
- House building materials
- Sustainable/renewable technologies
- Building products
- Industrial insulation
- Plumbing, heating and ventilating
- Marine and power

- Oil and gas processing
- Chemical and pharmaceutical
- Food chain process and manufacture
- Cold storage
- Asbestos removal
- Specialist cladding
- Specialist fabrication
- Chimneys, dormers & canopies
- Engineering maintenance
- Tools and ancillaries

This publication contains manufacturers' product information, the views expressed are not necessarily those held by SIG Insulations. Whilst every effort has been made to ensure that the information is current and correct, as distributors SIG Insulations cannot accept responsibility for the application and performance levels of the products featured. Neither can we accept responsibility where the manufacturers' instructions have not been followed.

