



## **Data/Factsheet**

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Easy to install

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Reduces installation time

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Offers energy savings

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Various solutions for all requirements

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## **Knauf Insulating Laminates**

**To enhance thermal insulation  
of walls and warm roofs**

# Knauf Insulating Laminates Factsheet

The Knauf Insulating Laminates range is designed to enhance thermal insulation for both walls as well as in warm roof projects. They offer, simple and cost effective solutions for new builds and renovations. Whatever the goal – whether improving the thermal performance of an existing structure or complying with Building Regulations for new build – we have a simple solution.

With the additional benefits of improved air-tightness and better sound insulation, Knauf Thermal Laminates provide comprehensive answers for a range of building requirements. And, once easily installed, the rapid payback period speaks for itself.

Solutions	Walls	Warm Roof
New Build	✓	✓
RMI/Renovation	✓	✓

## RMI/walls

Knauf Thermal Laminates are an effective dry construction method for solid and cavity wall buildings. Combining exceptional value with simple installation, they can help bring inefficient buildings up to modern standards whilst significantly reducing carbon emissions.

## RMI/roof

Our warm roof solutions can help customers simply convert loft areas with simple cost effective solutions for the various pitched roofs that exist. Maximising the living space available without the need to move house. The solutions offer the dual function of insulation and drylining, providing economical solutions without compromising on quality.

## Newbuild/walls

Designed for insulation as well as drylining, our range can vastly improve the thermal performance of new build walls. Maintaining their traditional construction methods, developers can continue building in their chosen method whilst satisfying the requirements of even the highest Code Levels for Sustainable Housing.

## Newbuild/roof

Knauf Insulating Laminates are the ideal solution for customers seeking to create extra living space, increasing the value of their new build property. We help developers achieve the thermal requirements of the Building Regulations, offering additional energy saving advantages.

## Product facts

- CFC/HCFC free
- Zero Ozone Depletion Potential
- Suitable for direct fix or dot and dab installation
- Low global warming potential



Knauf Insulating Laminates Range	P'board Thickness (mm)	Plaster Board Edge type	Laminating Thickness (mm)
<b>Knauf Thermal Laminate</b> This product is made of high quality expanded polystyrene to produce substantial improvements in thermal performance.	9.5	TE	22
	9.5	TE	30
	9.5	TE	40
<b>Knauf Thermal Laminate (Vapour Check)</b> This Vapour Check product has an added layer to reduce the risk of condensation whilst upgrading thermal insulation.	9.5	TE	22
	9.5	TE	30
	9.5	TE	40
<b>Knauf XPS Laminate Plus</b> Offering enhanced thermal resistance, our XPS Laminate Plus product is made of high quality extruded polystyrene with the additional benefit of strong robustness.	9.5	TE	27
	9.5	TE	35
	9.5	TE	40
	9.5	TE	45
<b>Knauf PIR Laminate</b> Made of high quality Polyisocyanurate, PIR provides excellent thermal resistance - an extremely cost effective solution which can be used for all applications.	9.5	TE	55
	9.5	TE	35
	9.5	TE	50
	9.5	TE	65
	9.5	TE	75



## Quick Facts

- Zero ODP (Ozone Depletion Potential) on all products
- Quick and easy installation and maintenance: suitable for either directfix or 'dot and dab' method
- Offering energy savings of up to £365<sup>1</sup> per year
- Guaranteed quicker payback period with EWI (External Wall Insulation) systems
- Reducing CO<sub>2</sub> emissions by up to 1.8<sup>1</sup> tonnes a year in a properly insulated solid wall house
- An established product eliciting trust within the construction industry
- Ideal for conservation areas to preserve traditional building façades

<sup>1</sup> Based on information from the Energy Saving Trust assumes insulating to 0.45 W/m<sup>2</sup>K

## Other products

Our thermal laminates can be used in combination with other Knauf Drywall products, including:

- Knauf Plasterboard Adhesive
- Fixings
- Metal Furring
- Finishing (jointing or plasters)
- Knauf insulation for pitched roof solutions

Length (mm)	Width (mm)	Vapour Control Layer	Moisture Resistance MNs/g	Thermal Conductivity (W/mK)	R Value (m <sup>2</sup> K/W) Exact	R Value (m <sup>2</sup> K/W) Rounded	Kg/m <sup>2</sup>	Insulant	CFC Free	HCFC Free	GWP
2400	1200	No	n/a	0.038	0.37	0.35	6.3	EPS	Yes	Yes	<5
2400	1200	No	n/a	0.038	0.58	0.55	6.4	EPS	Yes	Yes	<5
2400	1200	No	n/a	0.038	0.85	0.85	6.5	EPS	Yes	Yes	<5
2400	1200	Yes	78	0.038	0.37	0.35	6.3	EPS	Yes	Yes	<5
2400	1200	Yes	78	0.038	0.58	0.55	6.4	EPS	Yes	Yes	<5
2400	1200	Yes	78	0.038	0.85	0.85	6.5	EPS	Yes	Yes	<5
2400	1200	No	9.0	0.033	0.58	0.55	6.8	XPS	Yes	Yes	<5
2400	1200	No	12.8	0.033	0.82	0.80	7.1	XPS	Yes	Yes	<5
2400	1200	No	15.3	0.033	0.97	0.95	7.3	XPS	Yes	Yes	<5
2400	1200	No	17.8	0.033	1.13	1.10	7.4	XPS	Yes	Yes	<5
2400	1200	No	22.5	0.033	1.43	1.40	7.6	XPS	Yes	Yes	<5
2400	1200	Yes	150	0.022	1.19	1.15	6.9	PIR	Yes	Yes	<5
2400	1200	Yes	150	0.022	1.87	1.85	7.4	PIR	Yes	Yes	<5
2400	1200	Yes	150	0.022	2.55	2.55	7.8	PIR	Yes	Yes	<5
2400	1200	Yes	150	0.022	3.00	3.00	8.1	PIR	Yes	Yes	<5



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