

# Kooltherm®

## Big impact. Small footprint.



Thin, space-saving, high performance, wall insulation

*Kingspan Kooltherm®* range makes the most of space, delivering super high thermal performance in the thinnest of wall footprints.

*Kingspan Kooltherm®* can achieve R2.5 in just a 50 mm thickness and up to R4.0 in just 80 mm - simply unachievable with a typical wall batt.

Whether it's a Section J or 6+ Star solution you're after, we can tailor a high performance system for you. Visit the website to compare and find.



# Kingspan®

Insulation

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## Example: Concrete Wall

### *Kingspan* **Kooltherm**® K17 Insulated Plasterboard



150 mm Concrete Wall

*Kingspan* **Kooltherm**® K17  
Insulated Plasterboard

<i>Kingspan</i> <b>Kooltherm</b> ® K17 Insulated Plasterboard	Total Wall Footprint	Heat Flow In	Heat Flow Out
60 mm (inc. plasterboard)	210 mm	R <sub>T</sub> 2.8	R <sub>T</sub> 2.8
70 mm (inc. plasterboard)	220 mm	R <sub>T</sub> 3.3	R <sub>T</sub> 3.3
80 mm (inc. plasterboard)	230 mm	R <sub>T</sub> 3.8	R <sub>T</sub> 3.8
90 mm (inc. plasterboard)	240 mm	R <sub>T</sub> 4.3	R <sub>T</sub> 4.3

### *Kingspan* **Kooltherm**® K12 Framing Board



150 mm Concrete Wall

*Kingspan* **Kooltherm**® K12  
Framing Board

10 mm Plasterboard

<i>Kingspan</i> <b>Kooltherm</b> ® K12 Framing Board	Total Wall Footprint	Heat Flow In	Heat Flow Out
30 mm	218 mm	R <sub>T</sub> 2.4	R <sub>T</sub> 2.5
40 mm	228 mm	R <sub>T</sub> 2.9	R <sub>T</sub> 3.0

### Wall Batt



150 mm Concrete Wall

Wall batt

10 mm Plasterboard

Wall Batt	Total Wall Footprint	Heat Flow In	Heat Flow Out
90 mm (R2.5)	250 mm	R <sub>T</sub> 2.8	R <sub>T</sub> 2.8

For more thin, high performance insulation systems in any other wall construction contact us.