



# Kooltherm®

## PREMIUM PHENOLIC INSULATION BOARDS

Can't see why  
you should go  
with **Kooltherm®**?



# Kingspan®

*Low Energy –  
Low Carbon Buildings*



## PREMIUM PHENOLIC INSULATION BOARDS

### Clearly superior fire performance

Your choice of insulation isn't a safety decision, right? Wrong. If fire breaks out in the building, **Kingspan Kooltherm** insulation gives occupants the best chance of getting out safely. In fire performance tests, the average smoke density generated by PIR insulation boards was 2.5 times greater than **Kingspan Kooltherm** thermoset phenolic boards, as shown below.

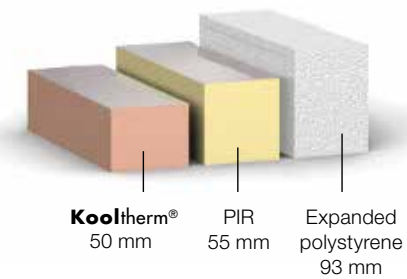
Product	Smoke Density (m <sup>2</sup> /kg)*
PIR product A	224.8
PIR product B	225.7
PIR product C	175.9
<b>PIR average</b>	<b>208.8</b>
<b>Kooltherm</b>	<b>84.1</b>

As any firefighter will tell you, it's the disorientation and oxygen deprivation caused by smoke that accounts for the majority of fire casualties. The less dense the smoke, the better able people are to locate fire exits so they can navigate their way to safety. Keeping smoke to a minimum is crucial to survival.

### Unmatched thermal performance

Worst-case scenarios aside, **Kooltherm** still delivers the best thermal performance in the market - up to 14% better R-Values than PIR. Every day, your clients will enjoy the comfort and energy savings that **Kooltherm** delivers.

#### Thickness required for R2.5

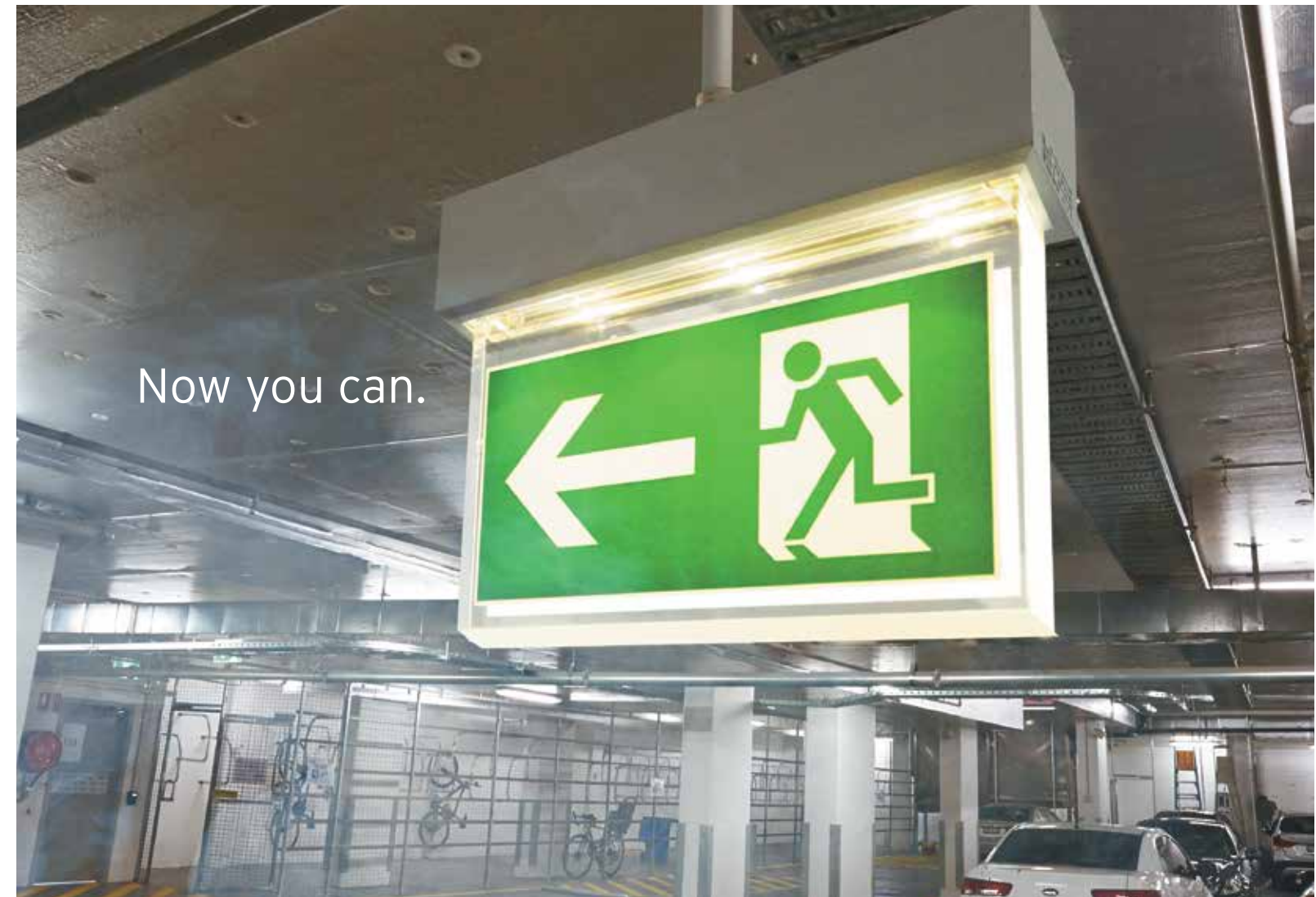


### We've got you covered

The **Kingspan Kooltherm** range is suitable for roof, wall and floor insulation in residential and commercial applications. For superior fire and thermal performance, it's the safer choice.

### The **Kooltherm** difference:

- 2.5 times less smoke density than PIR insulation\*
- Group 1<sup>^</sup> and Group 2 NCC BCA fire classification
- Superior thermal performance with up to 14% better R-values than PIR
- Easy to handle and quick to install
- CodeMark-certified for peace of mind.\*\*



Now you can.

\*Smoke density measured as Average Specific Extinction Area. Value is the mean of three specimens tested. Tested to AS/NZS 3837.

<sup>^</sup>Applies only to Kooltherm K17 Insulated Plasterboard and Kooltherm K10 PLUS Soffit Board

\*\*For the entire **Kingspan Kooltherm** range except for **Kingspan Kooltherm** K3 Floorboard. Accurate at time of printing.

# Contact Details

## General Enquiries

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*Kingspan Insulation Pty. Ltd. reserves the right to amend product specifications without prior notice. The information, technical details and fixing instructions etc. included in this literature are given in good faith and apply to uses described. Recommendations for use should be verified as to the suitability and compliance with actual requirements, specifications and any applicable laws and regulations. For other applications or conditions of use, Kingspan Insulation offers a Technical Advisory Service the advice of which should be sought for uses of Kingspan Insulation products that are not specifically described herein. Please check that your copy of the literature is current by contacting us or visiting [www.kingspaninsulation.com.au](http://www.kingspaninsulation.com.au)*



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