



Underfloor Insulation



RIGID INSULATION BOARD THAT WON'T SAG OVER TIME

EXPOL Underfloor Insulation has been designed to insulate your home by fitting snugly between the timber floor joists. When you choose EXPOL you are making the 'ultimate insulation choice' for your new or existing home.

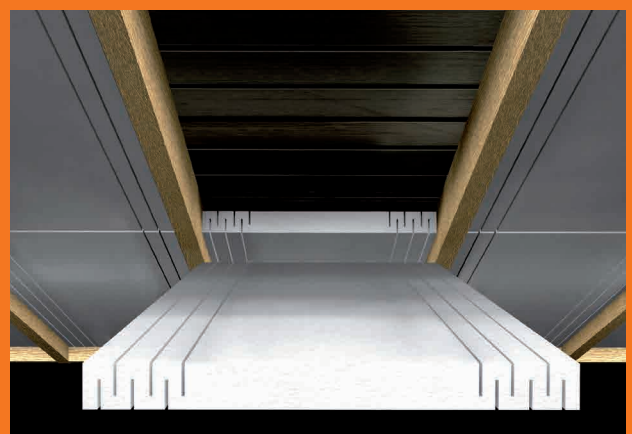
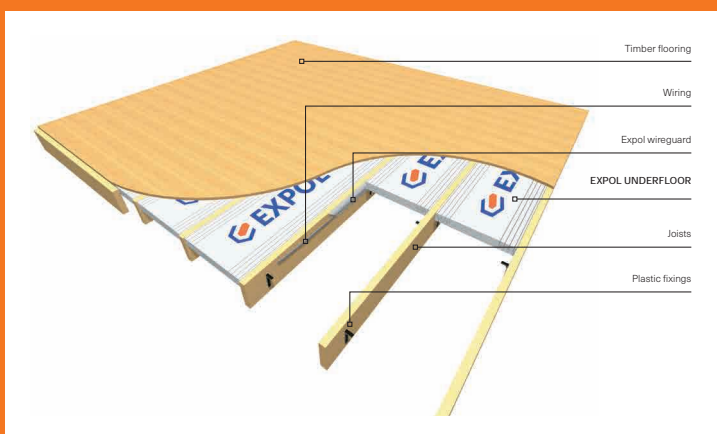
EXPOL is manufactured in a range of widths to suit most standard joists. Each rigid polystyrene panel is concertina cut on both sides to allow for a compression of up to 20mm for ease of installation, and to ensure a snug fit between the joists.

## Make your home healthier with EXPOL Underfloor Insulation

EXPOL Underfloor Insulation is a simple and cost-effective way to insulate your home against temperature extremes, keeping your home warmer in winter and cooler in summer. EXPOL can be retrofitted to existing homes as well as installed in new home builds before the floor goes down.

### Why EXPOL is the smart choice in underfloor insulation:

- Save on power bills
- Safe and easy to install
- Variety of stud widths – 560, 470, 410, 360 (mm)
- Manufactured with a fire retardant
- Non-allergenic & non-irritating
- Will not sag over time
- Insulation performance not affected by ageing or moisture
- Excellent thermal properties - improves the insulation rating of your home
- Exceeds the minimum R-Value for timber floors
- Backed by a BRANZ appraised 50-year limited product warranty
- Product and bag are recyclable



## Product Sizes

EXPOL is available in four standard widths to fit between most standard joists.

*Please note: Nominal length between 1200mm to 1240mm. This does not impact installation in any way. The widths do not vary and will fit snugly between joists.*

360	1200 x 360 x 60mm	12 per bag	Covers 5.18m <sup>2</sup>
410	1200 x 410 x 60mm	11 per bag	Covers 5.41m <sup>2</sup>
470	1200 x 470 x 60mm	10 per bag	Covers 5.64m <sup>2</sup>
560	1200 x 560 x 60mm	9 per bag	Covers 6.05m <sup>2</sup>



## How many packs will you need?

Area to be insulated Based on perimeter		Number of Packs Required			
		360mm	410mm	470mm	560mm
m2	feet2				
10	108	2	2	2	2
20	215	4	4	4	4
30	323	6	6	6	5
40	431	8	8	8	7
50	538	10	10	9	9
60	646	12	12	11	10
70	753	14	13	13	12
80	861	16	15	15	14
90	969	18	17	16	15
100	1076	20	19	18	17
110	1184	22	21	20	19
120	1292	24	23	22	20

## System Components



### WIREGUARD

To separate electrical cables from EXPOL Underfloor Insulation, use EXPOL Wireguard, a waxed paper strip that is wrapped around PVC cables before installation. EXPOL Wireguard can be purchased in 20m rolls from your local stockist.



### FIXINGS

Choose from two fixing options: non-corrosive, nylon fixings supplied with a stainless steel nail so you can simply nail two fixings per panel at opposite corners, or our newer Joist Saddle, designed to save you time and speed up the install process by slipping over your joist from above. Both fixings available from your local stockist in packs of 50s.



### SILICON ADHESIVE

EXPOL supplies a water based glue designed to adhere polystyrene to most surfaces. EXPOL panels can be glued in place using this adhesive as an alternate or in combination with the nylon fittings (not available in NSW/ACT).

## Compliance & Accreditation

EXPOL Underfloor Insulation complies with the Australian Standard AS/NZS 4859.1:2018. All panels feature a yellow stripe down one edge to confirm compliance with manufacturing standard AS 1366 Part 3 1992 for SL grade.







# Installation Instructions



Whether you are choosing to go it alone or have it professionally installed, you will not go past EXPOL Underfloor Insulation. To assist you, we've developed an easy step guide – follow it and you can't go wrong.

## Step 1



Measure your joist using the EXPOL Easy Measure Ruler (available from your nearest stockist). The width should fall within one of our 4 panel sizes. Joist sizes can vary, so be sure to measure more than one. You may need a few different panel sizes to complete the job.

## Step 2



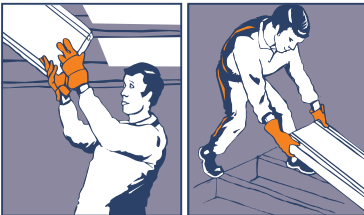
If the panel is too wide, slice down the appropriate concertina edge, leaving the panel approximately 5mm oversize to ensure a firm fit.

## Step 3



Place EXPOL Wireguard around any cables that come in direct contact with EXPOL. Do not use a staple gun to fix the Wireguard. Always exercise caution when working around electrical wiring.

## Step 4



EXISTING FLOOR      NEW FLOOR

Slide the panel between the joists. The concertina cut is designed to ensure a tight fit. The panel should be pushed hard against the bottom of your floor to ensure no air gaps. A minimum gap of 150mm must be left around metal heating flumes, OA rated recessed downlights and ceiling exhaust fans. A 50mm gap is required around brick/concrete chimneys.

## Step 5



Once the panel is installed, tack two EXPOL fixings in opposite corners to ensure the EXPOL panel stays in place, for the lifetime of your home.

## Step 6



For obstacles such as pipes and plumbing, use a sharp knife to cut the panel and notch around difficult areas. For future maintenance, leave a 100mm clearance around pipes and plumbing.

**EXPOL Underfloor Insulation is available from leading hardware stores around Australia. To find your closest stockist visit [www.expolinsulation.com.au](http://www.expolinsulation.com.au). If you would prefer to have EXPOL installed by a recognised installer, contact your local sales office.**

NEW SOUTH WALES | Foamex Polystyrene Pty Ltd. 31 Mavis Street, REVESBY NSW 2212. P) 02 9773 1655 F) 02 9773 1907

VICTORIA | Foamex Group Pty Ltd. 31-33 Gatwick Road, BAYSWATER NORTH VIC 3153. P) 03 9720 4200 F) 03 9729 5050

SOUTH AUSTRALIA | Foamex South Australia Pty Ltd. 15 Peachey Road, EDINBURGH NORTH SA 5113. P) 08 8349 9919 F) 08 8349 9910

QUEENSLAND | Polyfoam Brisbane. 44 Bernoulli Street, DARRA QLD 4076. P) 07 3390 8955 F) 07 3390 8956

TASMANIA | Polyfoam Tasmania. 113 Cove Hill Road, BRIDGEWATER TAS 7030. P) 03 6263 6900 F) 03 9729 5050