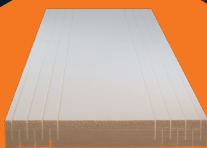
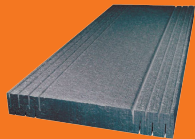


**50 Year  
Product  
Warranty**



**RIGID INSULATION BOARD THAT WON'T SAG OVER TIME**

# The Ultimate Insulation Choice



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.

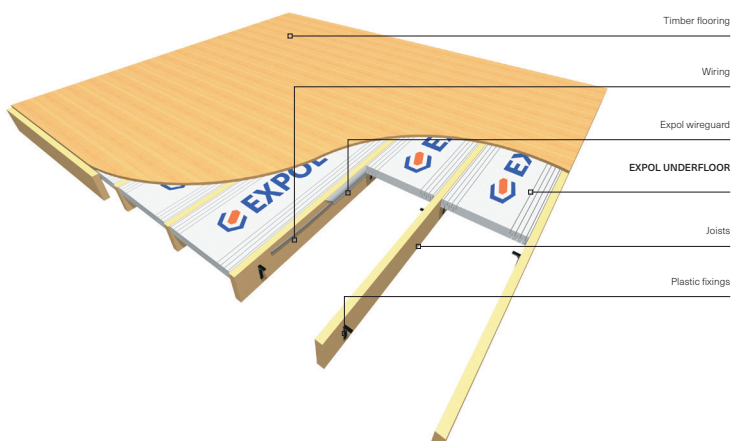
EXPOL is manufactured in a range of widths to suit most standard joists. Each rigid polystyrene panel is concertina cut on both sides to allow for a compression of up to 20mm for ease of installation, and to ensure a snug fit between the joists.

## 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 (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





# UNDERFLOOR INSULATION FOR NEW AND EXISTING TIMBER FLOORS

**EXPOL R1.8**  
ONLY AVAILABLE  
IN VICTORIA

R-Value  
**1.4**

## EXPOL R1.4 UnderFloor Insulation

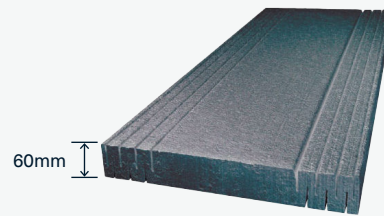
A rigid white panel manufactured from Expanded Polystyrene material, manufactured in three standard widths of 410mm, 470mm, 560mm. It is the ideal solution for Australian suburban environments or rural areas which do not have extreme temperatures. Trusted for 25 years, EXPOL R1.4 is BRANZ appraised with a 50-year product warranty giving you the satisfaction of knowing that you will be keeping your home warmer in winter and cooler in summer.



R-Value  
**1.8**

## EXPOL R1.8 UnderFloor Insulation

A rigid black panel infused with graphite making it up to 30% more efficient than other polystyrene panels. EXPOL R1.8 is ideal for areas that experience extreme climates. Manufactured in the standard width of 410mm. Backed by a 50-year BRANZ product warranty giving you the satisfaction of knowing that you will have a warmer, drier, healthier home all year round.



DO NOT STORE IN DIRECT SUNLIGHT! Product could be damaged, and warranty will be void.

### EXISTING FLOORS

EXPOL L Brackets for R1.4 & R1.8 are designed to fit under the panel (supplied with stainless steel nails).



Depending on the joist depth you could also use **EXPOL Z Clips**.

Z Clips  
available  
Mid 2023


### NEW FLOORS

EXPOL 60mm Joist Saddles for R1.4 & R1.8 (standard length) are designed to slip over the joist to support and secure the 60mm panel.




# PRODUCT OPTIONS & SIZES

- For new existing timber floors
- Easy to install
- 50 year BRANZ product warranty
- Building Code compliant
- Saves on power bills
- Flame retardant
- Moisture resistant

Dimensions (mm)		Thickness	Length	Width	p/bag	m <sup>2</sup> coverage
EXPOL R 1.8 Black Underfloor Insulation		60	1200	410	11	5.41
		60	1200	470	10	5.64
		60	1200	560	9	6.05
EXPOL R 1.4 White Underfloor Insulation		60	1200	410	11	5.41
		60	1200	470	10	5.64
		60	1200	560	9	6.05

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.

## How many packs will you need?

	Area to be insulated Based on perimeter		Number of Packs Required			
	m2	feet2	360mm*	410mm	470mm	560mm
	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

\* 360mm is available for custom order, however it will be discontinued in 2024

## ACCESSORIES



### 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.



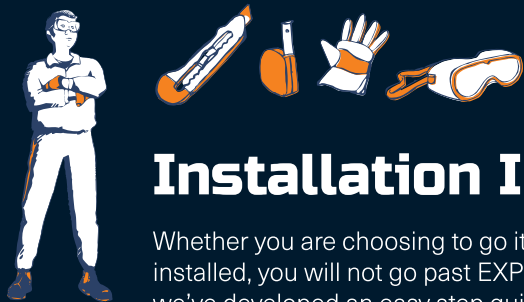
## TECHNICAL SPECIFICATIONS

Property	Unit	EXPOL R1.4 UnderFloor Insulation	EXPOL R1.8 UnderFloor Insulation	Test Reference
Material		Expanded Polystyrene	Expanded Polystyrene	
Density	kg/m3	12	18	
Thickness / Product R-value	m2K/W 60mm 120mm (Double Layer)	R 1.40 R 2.80	R 1.80 R 3.60	ASTM C518-04
Compressive strength at 10% deformation (min)	KPA	70	105	AS 2498.3
Cross breaking strength	KPA	135	200	AS 2498.4
Determination of flame propagation surface ignition Medium flame duration (max) Eighth value	sec sec	2 3	2 3	AS2122.1-1993
Fire behaviour - Spread of Flame Index - Smoke Developed Index	(0-10) (0-10)	0 5	0 5	AS/NZS 1530.3:1999
Dimensional stability of length, width & thickness (max) at 70 deg C for 7 days	%	1	1	AS2498.6
Recycled content	%	30	0	
Rate of water vapour transmission (max) measured parallel to rise at 23°C	mg/m2s	630	520	AS 2498.5
Long term water absorption by immersion	% v/v	-	-	ASTM C272

## Compliance & Accreditation

EXPOL Underfloor Insulation complies with the Australian Standard AS/NZS 4859.1.2002. All panels feature a yellow stripe down one edge to confirm compliance with manufacturing standard AS 1366 Part 3 1992 for SL grade.





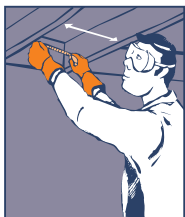
# Installation Instructions

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.



Scan QR code to view instructions on how to install Expol Insulation

## 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).

**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

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

**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