

UNDERFLOOR INSULATION



EXPOLUNDERFLOORNSULATION is perfect for your existing or new home. Placed snugly between the floor joists it will ensure your home is protected from the extreme outdoor temperatures, for life.

THE ultimate choice.

EXPOL UNDERFLOOR INSULATION



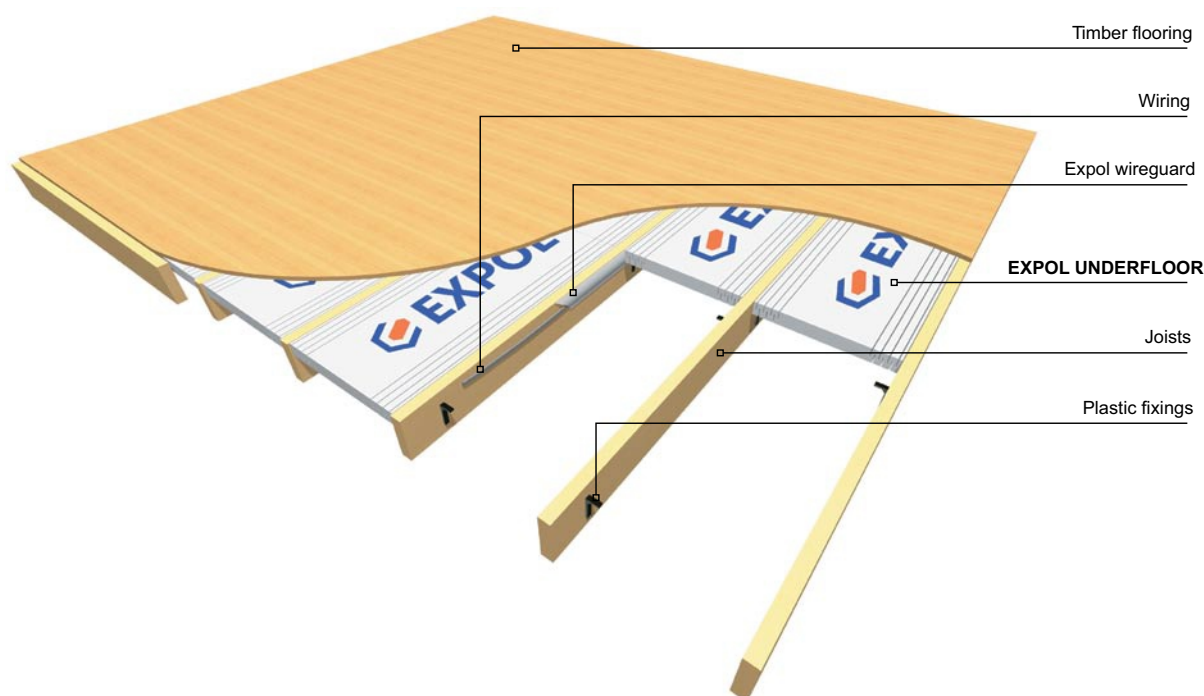
EXPOL UnderFloor Insulation has been designed to insulate your home. By fitting EXPOL snugly between the timber floor joists, you are making the 'ultimate choice' for your new or existing house.

Rigid polystyrene panels are 1.2 metres long and 60mm in thickness, produced in four standard widths to fit between most standard joists.

All EXPOL panels are 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.

EXPOL UnderFloor is ideal for both retro-fitting under existing floors and new floor installations. EXPOL is backed by a BRANZ appraised 50 year limited product warranty.

To ensure you select the right product designed to withstand the external conditions found under your house, choose EXPOL, solid insulation.



NEW AND EXISTING FLOORS



NEW FLOORS

- n Great for pole houses and exposed timber floors
- n Exceeds the minimum R Value for timber floors
- n Improves the insulation rating of your home
- n For technical information please refer to our BRANZ appraisal



EXISTING FLOORS

- n Great for polished floor areas in bungalows & villas
- n Non allergenic and non irritating
- n Excellent thermal properties
- n No more drafty floors
- n Insulate with EXPOL for a dryer, healthier home



- n Save on power bills
- n Safe, will not itch and non allergenic
- n Flame retardant
- n Product & bag are recyclable
- n Insulation performance is **NOT** affected by ageing or moisture

minimum
R VALUE 1.4

For a warmer, drier, healthier home.



EXPOL panels are 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.

EXPOL UnderFloor is ideal for both retro-fitting under existing floors and new floor installations.

EXPOL R1.4 is backed by a BRANZ-appraised 50-year limited product warranty.

To ensure you select the right product designed to withstand the external conditions found under your timber floor, choose EXPOL.

EXPOL is 100% New Zealand owned and operated and available nationwide through major hardware stores.

EXPOL recycles all offcut material and operate recycling facilities in every factory.

EXPOL R1.8 Black UnderFloor Insulation

EXPOL R1.8 Black UnderFloor Insulation is infused with graphite making it up to 30% more efficient than other polystyrene panels. With an R1.8 R Value it is ideal for extremely cold temperatures and windy environments.

EXPOL Black R1.8 will ensure your family is protected from the extreme temperatures under your floor, for life.

R1.8
BLACK

EXPOL R1.8 Black UnderFloor Insulation for extreme environments.

- Easy to install, and ideal for extremely cold or windy underfloor environments
- 30% more efficient than R1.4 for homes in extreme environments
- Saves on power bills
- 4 convenient stud widths - 560, 470, 410, 360 (mm)
- Manufactured with a fire retardant
Non-allergenic & non-irritating
- Will not sag over time and is not affected by aging or moisture.



WHAT HAPPENS TO EXPOL UNDERFLOOR INSULATION IN A FIRE?

Expol UnderFloor insulation is flame retardant and will not support a fire.

DOES EXPOL UNDERFLOOR INSULATION GIVE OFF ANY TOXIC FUMES?

The level of toxicity of Expol UnderFloor insulation in a fire is no greater than that of burning timber.



AVAILABLE NATIONWIDE

RECYCLABLE / SUSTAINABLE

HIGH STRENGTH / EASY MAINTENANCE

FIRE RETARDANT / MOISTURE RESISTANT

EXPOL UNDERFLOOR 50 YEAR WARRANTY

NEW ZEALAND OWNED / MANUFACTURED

Property	Unit	EXPOL UnderFloor R1.4 Underfloor Insulation	Test reference
Material		EPS	
Density	kg/m ³	12	
Thickness/R Value	m ² K/W 60mm 120mm (double layer)	R 1.4 R 2.8	AS 2464.5 or AS 2464.6
Compressive strength at 10% deformation (min)	KPA	70	AS 2498.3
Cross breaking strength	KPA	135	AS 2498.4
Determination of flame propagation surface ignition			AS2122.1-1993
Medium flame duration (max)	sec	2	
Eighth value	sec	3	
Fire behaviour			
- Spread of Flame Index	(0-10)	0	AS/NZS
- Smoke Developed Index	(0-10)	5	1530.3 : 1999
Dimensional stability of length, width & thickness (max) at 70°C for 7 days	%	1	AS2498.6
Recycled content	%	30	
Rate of water vapour transmission (max) measured parallel to rise at 23°C	mg/m ² s	630	AS 2498.5

Product options & sizes	Length (mm)	Width (mm)
EXPOL UnderFloor R1.4 Underfloor Insulation	1200	360
	1200	410
	1200	470
	1200	560



MORE ABOUT EXPOL UNDERFLOOR R1.4 WHITE

EXPOL UnderFloor is BRANZ Appraised and comes with a 50 year product warranty.

It is made using expanded polystyrene (EPS), a recyclable product that is 98% trapped air, which makes it an excellent insulator. Unlike other insulation materials, EPS is a rigid product – that means it won't sag or be prone to creating gaps over time.

As well as keeping heat in, EPS is great at keeping moisture and wind out. It is also flame retardant and has no nutritional value for rats, mice, birds or animals. These properties make it the perfect insulation material for your home.

EXPOL UnderFloor R.14 White is quick and easy. The product is lightweight, anti-allergenic and available in four widths that fit a range of standard joist spacings.

EXPOL UnderFloor R1.4 White comes in convenient 1.2 metre lengths. Each panel is 60mm thick and can be compressed by up to 20mm.



NEW FLOORS

When insulating new floors, simply nail two fixings per panel at opposite corners and install from above.

RECOGNISED INSTALLERS

Levelhead Insulation - South island wide

SPECIFIERS, ARCHITECTS AND PLANNERS

For all specifying information, relevant product testing and other detailed information please refer to MasterSpec documents on www.expol.co.nz or contact EXPOL for an electronic copy.

INSULATION STANDARD

EXPOL UnderFloor insulation complies with the Australian and New Zealand Standard AS/NZS 4859.1:2002

MANUFACTURING STANDARD

All panels have a yellow stripe down one edge to confirm compliance with manufacturing standard AS 1366 Part 3 1992 for SL grade.

Only Trust **BRANZ**
Appraised Products



ABOUT EXPOL

Proudly 100% New Zealand owned and operated with nationwide coverage and distribution. We recycle all off cut material and promote recycling wherever possible in our production line.

For an obligation free quote FREE call **0800 COZY 4 U**
or mike@levelhead.co.nz for more detailed information.

EXPOL LTD P: +64 9 634 3449 F: +64 9 634 0756

0800 UNDERFLOOR
www.expol.co.nz

EXPOL
insulation