

UNDERFLOOR INSULATION

DO IT

YOURSELF

TODAY



EXPOL **UNDERFLOOR** INSULATION 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



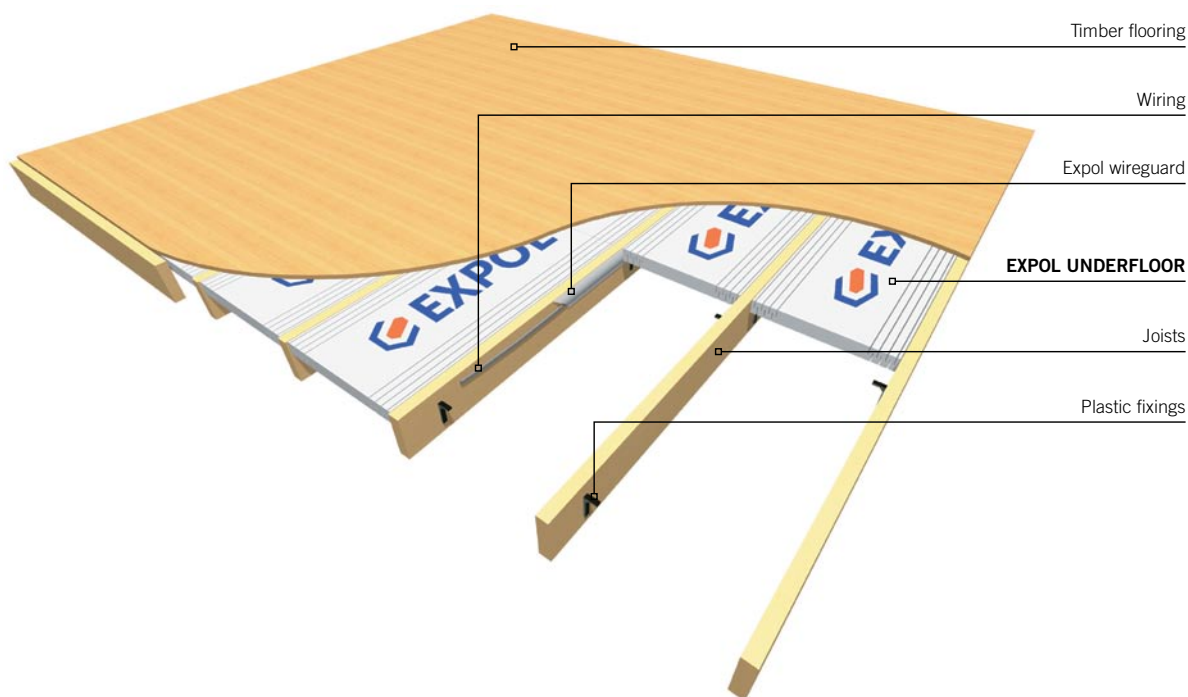
EXPOL UnderFloor Insulation has been designed to insulate your home. By fitting EXPOL snugly between the timber floor joists, you are making the 'ultimate choice' for your new or existing house.

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.



- Expol Solid Insulation **WILL NOT SAG** over time
- BRANZ appraised 50 year limited product warranty
- Cooler in summer ■ Easy to install ■ Warmer, dryer floors

NEW AND EXISTING FLOORS



NEW FLOORS

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



EXISTING FLOORS

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



RIGID POLYSTYRENE SIZES:

360	1200 x 360 x 60mm	12 per bag	Covers 5.18m²
410	1200 x 410 x 60mm	11 per bag	Covers 5.41m²
470	1200 x 470 x 60mm	10 per bag	Covers 5.64m²
560	1200 x 560 x 60mm	9 per bag	Covers 6.05m²

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

MINIMUM
R VALUE 1.4

Easy Step Guide



Looks like you are about to take the next step to creating a healthier home environment. That's great news for you and your family.

Whether you are choosing to have EXPOL professionally installed or going it alone, 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.

Don't forget to pick up your **EXPOL UnderFloor Easy Measure Ruler**, which is also available online at www.expol.co.nz. Use it to measure the underfloor joist sizes, so you can purchase the correct panels for your DIY Insulation project.

For more detailed project information refer to www.expol.co.nz



Step 1



Place your Easy Measure Ruler against one side of the joist. The opposite joist will 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, simply slice down the appropriate concertina edge, leaving the panel approximately 5mm oversized to ensure a firm fit.

Step 3



EXISTING FLOOR



NEW FLOOR

Slide the panel between the joists. The concertina designed cuts will ensure a tight fit.

The panel should be pushed up hard against the bottom of your floor leaving no air gap.

A minimum gap of 150mm must be left around metal heating flues, OA rated recessed down lights and ceiling exhaust fans, and a 50mm gap is required around brick / concrete chimneys.

Step 4



Fixings:

Once the panel is installed, tack 2 **EXPOL** fixings in opposite corners to ensure **EXPOL UnderFloor** will stay in place for the lifetime of your home.

Step 5



Electrical:

For cables that come into **DIRECT** contact with **EXPOL UnderFloor**, place **EXPOL Wire-guard** around the wires before installation. Do not use a staple gun to fix the Wireguard. Always exercise caution working around electrical wiring.

Step 6



Pipes & Plumbing:

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

EXPOL PACK CALCULATOR

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



WIREGUARD

To separate electrical cables from EXPOL UnderFloor insulation use EXPOL Wireguard, a waxed paper strip for wrapping around PVC cables before installing EXPOL UnderFloor. Each bag contains 1/2 metre of Wire Guard. Additional Wire Guard can be purchased in 20 metre rolls from your supplier.

FIXINGS

Non corrosive nylon fixings with a stainless steel nail are available for purchase from your supplier.

NEW FLOORS

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

RECOGNISED INSTALLERS

If you would prefer to have EXPOL Underfloor insulation installed by a recognised installer, refer to our website for an installer near you or phone **0800 UNDERFLOOR**.

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 UNDERFLOOR** or www.expol.co.nz for more detailed information.

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