

NON-ITCH

CLEANER, GREENER, SAFER INSULATION

PATENT PENDING

WWW.YBSINSULATION.COM

General Purpose Insulation Roll 42.5



Quick, clean and easy to install

No protective clothing required

Free from floating fibres

Direct equivalent to glass fibre insulation

Totally recyclable

**TOTALLY
ITCH
FREE**
NON-ALLERGENIC
NON-IRRITANT

Made from approx.

85%

RECYCLED PLASTIC BOTTLES

Non-Itch Recycled Fibre Insulation

Non-Itch Insulation is made from user-friendly non-irritant, non-itch material that is free from floating fibres or dust and so avoids skin irritation and respiratory problems normally associated with other forms of insulation. Non-Itch will not deteriorate over time and will not be affected by mould, mildew or rot. Non-Itch is also resistant to vermin and insect attack.

Other features include:

- Totally safe and easy to install with no protective clothing required.
- Ensures a safe indoor air quality.
- Fully recyclable and uses recycled material in its production.
- Provides good acoustic properties to help keep your home or commercial environment quiet and free from noise pollution.
- Non-Itch is unaffected by water.
- Long term stability and durability 50 years +
- **Every one tonne of plastic bottles recycled for the manufacture of Non-Itch saves one and a half tonnes of carbon emissions into our atmosphere and so has a dramatic positive impact in our efforts to save our planet.**
- Ideal for eco builds

**Zero
GWP**

**Global
Warming
Potential**

**Zero
ODP**

**Ozone
Depleting
potential**

Insulation between joists

The table below shows the U-values achieved using Non-Itch laid in the roof void.

U-values are based on the first layer of insulation laid between the joists, and the remaining thickness installed as a second layer, cross-laid over the joists to reduce cold bridging.

Thickness of Non-Itch (mm)		U-value W/M ² K
1st Layer	2nd Layer	
100	170	0.16
100	200	0.14
150	200	0.12

Non-Itch ready cut rolls

Thickness	Width	Length	Area	Thermal Conductivity	Thermal Resistance
100mm	2x 570mm	8m	9.12M ²	0.0425 W/mk	2.353 M ² K/W
100mm	3x 380mm	8m	9.12M ²	0.0425 W/mk	2.353 M ² K/W
150mm	2x 570mm	5.33m	6.07M ²	0.0425 W/mk	3.529 M ² K/W
150mm	3x 380mm	5.33m	6.07M ²	0.0425 W/mk	3.529 M ² K/W
170mm	2x 570mm	4.71m	5.36M ²	0.0425 W/mk	4.000 M ² K/W
170mm	3x 380mm	4.71m	5.36M ²	0.0425 W/mk	4.000 M ² K/W
200mm	2x 570mm	4m	4.56M ²	0.0425 W/mk	4.706 M ² K/W
200mm	3x 380mm	4m	4.56M ²	0.0425 W/mk	4.706 M ² K/W

Tensile Strength	Water Vapour Diffusion Resistance Factor	Water Absorption	
		Short Term	Long Term
2.4 kPa	1.51	0.78 kg/m ²	1.30 kg/m ²

Fire Test BS 5803-4 = Passed

Application

For safety, work from suitable "crawling boards" spanning four joists. Start from the eaves ensuring the wall plate is covered and work towards the centre of the loft, placing Non-Itch between the joists (on top of any existing insulation in place). Butt joint where necessary. When space along the joists is filled, the end of the roll can be turned back to start an extra layer of insulation or may be cut to size. Layer insulation to the required thickness ensuring the ceiling beneath is completely covered except directly under the water tank. Where the depth of previously installed insulation has reached the top of the joists, extra heat saving is gained by cross layering (at right angles to joists) with Non-Itch. Insulate and draught seal the loft hatch.

Handling and Storage

Non-Itch General Purpose Insulation Roll 42.5 is easy to handle with no protective clothing and easy to install, being lightweight and easily cut to size. Non-Itch General Purpose Insulation Roll 42.5 is supplied in polythene packaging, designed for short term protection only.

Test Report No: 0316-L-06/12.

EN 10286: Thermal insulating products for building applications - Determination of water vapour transmission properties (1997-07).

Test Report No: 0316-L-06/13.

EN 1609: Thermal insulating products for building applications - Determination of short term water absorption by partial immersion, method A (1997-01).

Test Report No: 0316-L-06/7.

EN 12087: Thermal insulating products for building applications - Determination of long term water absorption by immersion, method 1A (1997-07).

Test Report No: 0316-L-06/10.

EN1604: Thermal insulating products for building applications - Determination of dimensional stability under specified temperature and humidity conditions (1997-01).

Test Report No: 0316-L-06/8.

EN 12667: Thermal performance of building materials and products - Determination of thermal resistance by means of guarded hot plate and heat flow meter method - Products of high and medium thermal resistance (2001-02).

Test Report No: 0316-L-06/9.

EN822: Thermal insulating products for building applications - Determination of length and width (1994-11).

Test Report No: 0316-L-06/9.

EN823: Thermal insulating products for building applications - Determination of thickness(1995-05).

Test Report No: 0316-L-06/7.

BS 5803-4: Thermal insulation for use in pitched roof spaces in dwellings - Part 4: Methods for determining flammability and resistance to smouldering (1985).

Test Report No: AT/07/37

BS EN ISO 354:2003: Acoustic-measurement of sound absorption in a reverberation room.

Environment

Non-Itch does not have Global Warming Potential (GWP) or Ozone Depleting Potential (ODP).

