

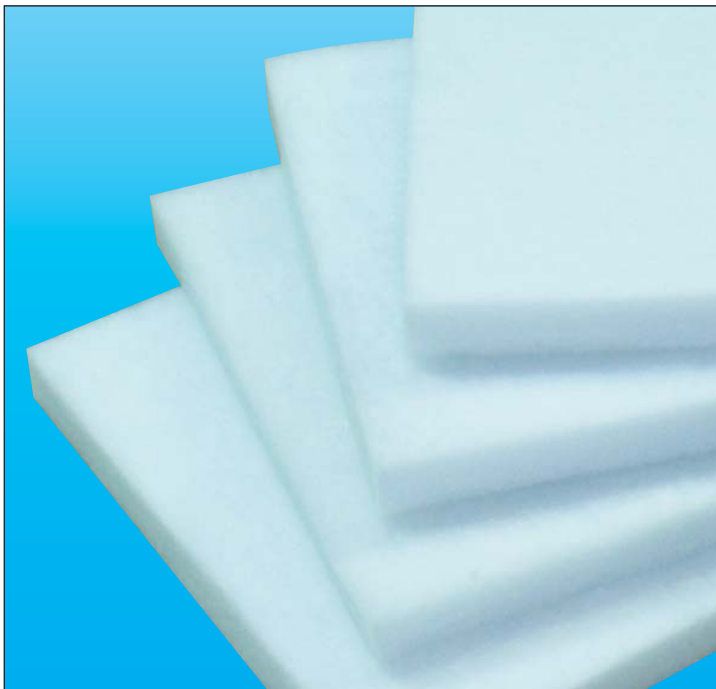
NON-ITCH

CLEANER, GREENER, SAFER INSULATION

PATENT PENDING

WWW.YBSINSULATION.COM

Cavity Insulation Slab 39



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.
- 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 within the wall cavity

The table below shows the U-values achieved using Non-Itch Cavity Insulation slab 39 placed within the cavity of external masonry walls.

U-Value Determined by Block Type (W/m ² K)			
Thickness	Dense Block (λ 1.100)	Medium Block (λ 0.340)	Areated Block (λ 0.110)
65mm	0.44	0.41	0.33
75mm	0.4	0.37	0.3
85mm	0.36	0.34	0.28
100mm	0.32	0.3	0.25

Thickness	Width	Length	Area	Slabs per pack	Thermal Conductivity	Thermal Resistance
65mm	450mm	1.2M	9.72M ²	18	0.039 W/mk	1.666M ² K/W
75mm	450mm	1.2M	8.64M ²	16	0.039 W/mk	1.923M ² K/W
85mm	450mm	1.2M	7.56M ²	14	0.039 W/mk	2.179M ² K/W
100mm	450mm	1.2M	6.48M ²	12	0.039 W/mk	2.564M ² K/W

Tensile Strength	Water Vapour Diffusion Resistance Factor	Water Absorption	
		Short Term	Long Term
83.3 kPa	1.77	0.88 kg/m ²	0.96 kg/m ²

Fire Test BS 5803-4 = Passed

Application

Installation of slabs should start below the DPC (preferably by at least 150mm) to minimise cold bridging. The first row of ties should be at 450mm centres horizontally. The width of cut batts should always be 5mm greater than the width to be insulated, eg wall tie centres.

Build up a complete section of the leading leaf to one course above the next row of wall ties spaced at max. 900 mm horizontally. Ensure that all mortar joints are properly filled, particularly the perpend.

It is essential that all joints between Non-Itch slabs are clean and tightly butted. Fit Non-Itch cavity slabs by compressing between the two rows of wall ties to form a clean and tight butt jointed course. To prevent water penetration to the inner leaf during driving rain, it is essential that no gaps are left between the slabs.

Fit the slabs closely around wall openings. Slit the slabs neatly where additional wall ties occur. At corner joints, edges must be closely butted. Cut the slabs accurately to fit between wall ties, if not conventionally coursed.

Handling and Storage

Non-Itch Cavity Insulation slab 39 is easy to handle with no protective clothing and easy to install, being lightweight and easily cut to size. It is supplied in polythene packaging, designed for short term protection only.

Protect the top of the cavity wall insulation at the end of the work period with a waterproof covering. Store or cover Non-Itch cavity slabs not in use and protect from site damage.

Distributor

Test Report No: 0207-L-07

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

Test Report No: 0207-L-07

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

Test Report No: 0207-L-07

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

Test Report No: 0207-L-07

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

Test Report No: 0207-L-07

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: 0207-L-07

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

Test Report No: 0207-L-07

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

Test Report No: 0207-L-07

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

Environment

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



Global Warming Potential



Ozone Depleting potential