

natural wool

Pipe Lagging



Terra Lana natural wool pipe lagging prevents hot water losing heat rapidly before it reaches kitchen, bathroom or laundry taps. It also shortens the waiting time before water runs hot at the taps and can prevent pipes freezing in cold temperatures. To prevent heat loss, wrap pipe lagging material along the whole length of the pipe, or at least the first metre if the rest of the pipe is inaccessible. Available in flat or tubular format.

Applications

Heat Saving New or retrofit hot water piping in residential and commercial buildings.

Freeze Protection Water supply pipe work up to 40mm diameter where frost protection is required.

Materials

Natural wool felt utilising off-cuts from the textile and carpet manufacturing industries. Reinforced with jute, a natural vegetable fibre (also known as hessian).

Natural Benefits

Safer Non-irritant, non-allergenic, non-toxic. Terra Lana wool pipe lagging requires no protective clothing or masks to install.

Flame Retardant Difficult to ignite, then smoulders and tries to self extinguish.

Resource 100% recycled and renewable material.

Degradable Breaks down quickly and safely when composted.

Energy Efficient Takes less energy to manufacture than synthetic lagging products.

Effective When used and installed in accordance with the Manufacturers instructions, Terra Lana Wool Lagging will meet all the requirements of NZS 4305:1996 - Energy Efficiency - Domestic Type Hot Water Systems and the minimum requirements of N.Z.B.C Clause G12, Water Supplies.



Product Table

Product Code	R Value	Thickness (mm)	Size	Units / pack	Linear m / pack	Coverage / pack (m) ^{***}	Kg / pack
L50	*	7	10m x 50	15	150	N/A	6.6
L75	*	7	10m x 75	10	100	N/A	6.4
L100	*	7	10m x 100	8	80	N/A	6.4
Tubular^{**}	*	7	100m/ roll	1	100	N/A	10

* When measured using NZS4222, thermal conductivity $k = .0365$ W/m deg. C, (NZS4305:1996 states k value must not exceed .04).

** Tubular pipe lagging is ideal for new installations and simply slides onto any pipe up to 21mm in diameter. It requires minimal working space compared to the linear lagging. No special glues required and it forms easily around corners and angles.

*** Depends on diameter of pipe. A 50mm overlap is required.

Fire Indices

When tested in accordance with AS1530.1 : 1994 Terra Lana pipe lagging has the following fire Indices:

Ignitability Index	0	Heat Evolved Index	0
Spread of Flame Index	0	Smoke Developed Index	5

Insect Resistance

Terra Lana wool pipe lagging is manufactured from recycled wool that is treated for insect resistance. In addition all Terra Lana blends contain a new wool component that has been over-treated with an insect resist agent. Bioassay tests undertaken by AgResearch gave satisfactory insect resistance to *Tineola Bisselliella* (common clothes moth).

Installation

A craft knife is all that is required. No gloves or mask are necessary.

Terra Lana Products Ltd

Terra Lana Products Ltd specialises in the manufacture of building and eco-textile products based on wool, one of New Zealand's most abundant, naturally sustainable resources.

All products are designed to make best use of wool's environmentally friendly qualities and the company is committed to minimising it's own impact on the planet.



Terra Lana - Naturally Better.

Terra Lana Products Ltd
 55 Francella St, P.O. Box 19755, Christchurch, New Zealand
 Phone: (03) 982 0211 Freephone: 0800 485 262
 Fax: (03) 982 0212 Email: info@terralana.co.nz

www.terralana.co.nz

Terra
Lana

Natural Wool Insulation