

natural wool blend

PIPE LAGGING

INSULATION



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 rolls of flat or tubular sleeve 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.

COMPOSITION

Terra Lana pipe lagging is a natural wool felt utilising off-cuts from the textile and carpet manufacturing industries, reinforced with jute ~ a natural vegetable fibre (also known as hessian).

INSTALLATION

A sharp knife and roll of tape or ties are all that is required.

NATURAL BENEFITS

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.

SAFER Wool is non-irritant, non-allergenic, non-toxic and odourless. Contains no harmful substances. Requires no protective clothing or masks to install.

EFFICIENT Takes less energy to manufacture than synthetic lagging products.

ECO FRIENDLY Wool is a naturally renewable and is a sustainable resource that breaks down quickly and safely when composted.



SUPERIOR NATURAL WARMTH

SPECIFICATIONS

PIPE LAGGING	CODE	R Value	Thickness (mm)	Size (mm)	Units / Pack	Linear M / Pack	Coverage / Pack (M)	Kg / Pack
	L75	*	7	10m x 75	10	100	***	6.4
TUBULAR**	*	7	100m/ roll	1	100	***	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 and tape or ties is all that is required. No gloves or mask are necessary.

TESTING

Terra Lana wool blend insulation was developed and tested by the Wool Research Organisation of New Zealand (WRONZ, now AgResearch).



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THE SUPERIOR NATURAL CHOICE

