

PHENOLIC PIPE LAGGING

GreenStuf[®] Phenolic Pipe Lagging is a versatile and high-performance moisture resistant thermal tubular insulation that comes with an embossed foil layer on one side.

APPLICATIONS

GreenStuf Phenolic Pipe Lagging is designed to be installed as an insulation around pipes, providing superior thermal performance. GreenStuf Phenolic Pipe Lagging cuts easily into desired length, and helps maintain the temperature of fluids inside the pipe, reduce energy consumption, and minimise noise transmission from the pipes.

To ensure Building Code compliance, architects and building designers are advised to consult an engineer or the relevant NZ Standards before specifying thermal insulation.

For information and assistance, please contact your GreenStuf account manager.

TECHNICAL

NZ Building Code Compliance: When installed in accordance with the manufacturer's instructions. GreenStuf Phenolic Pipe Lagging; meets the relevant clauses of NZBC C3.4(a) Prevention of Fire, E3 Internal Moisture, F2 Hazardous Building Materials, and contributes to meeting H1 Efficiency and G6 Acoustic Design requirements. GreenStuf Phenolic Pipe Lagging comes with a 10-year manufacturer's warranty.

Fire Ratings: Class B s1 d0 in accordance with EN 13501-1 which correlates to Group 1-S as per C/AS2 New Zealand Building Code Acceptable Solutions table C1.1.

Flame Propagation (AS 1366.2:1992): Complies.
Needle Flame Test (IEC 60695-11-5:2016): Pass.

Durability: GreenStuf Phenolic Pipe Lagging has a 15-year durability warranty.

Thermal Performance: GreenStuf Phenolic Pipe Lagging has been aged and tested to EN 13166:2012+A2:2016 in accordance with AS/NZS 4859.1:2018. Declared thermal conductivity reflects predicted performance after 25 years of use.

Thermal Conductivity: Thermal conductivity at 15°C as per AS/NZS 4859.1:2018: 0.023 W/mK.

Foil Emittance Value: Emittance (Foil Face) = 0.04.

Product Format: GreenStuf Phenolic Pipe Lagging is supplied in 1 metre linear pieces with embossed foil finish on the external side. Custom sizes may be available on request but are subject to minimum order quantities.

Dimensional Stability: GreenStuf Phenolic Pipe Lagging shows good dimensional stability in extreme temperature conditions.

Compressive Strength: GreenStuf Phenolic Pipe Lagging has been tested to AS 2498.3-1993 achieving a compressive strength that exceeds 150 kPa.

VOC Emissions: The tested product complies with the requirements of DIBt / AgBB - scheme 2015. The product is suitable for indoor use in buildings.

The classification value R for the (WOC,VOC,SVOC with NIK) substances with more than 5 µg/m³ after 28 days is below the classification threshold of 1. The formaldehyde emission after 28 days is below the classification threshold of 100 µg/m³.

Halogens: Halogen free.

Water Vapour Transmissions: GreenStuf Phenolic Pipe Lagging has been tested to AS 2498.5-1993 for water vapour transmission achieving a water vapour transmission rate <500µg/m².s.

Moisture Absorption: Less than 3% moisture absorption after six hours at 80% humidity.

Installation: GreenStuf recommends that GreenStuf Phenolic Pipe Lagging be installed in accordance with the manufacturer's instructions and NZS 4246 Energy Efficiency - Installing Insulation in Residential Buildings.

Specification and Substitution: GreenStuf Phenolic Pipe Lagging specification documents are available through Masterspec or can be downloaded from our website (greenstuf.co.nz). Substitution of any products in NZBC compliant systems should not be accepted and we recommend this be made clear in all specification and tender documents.

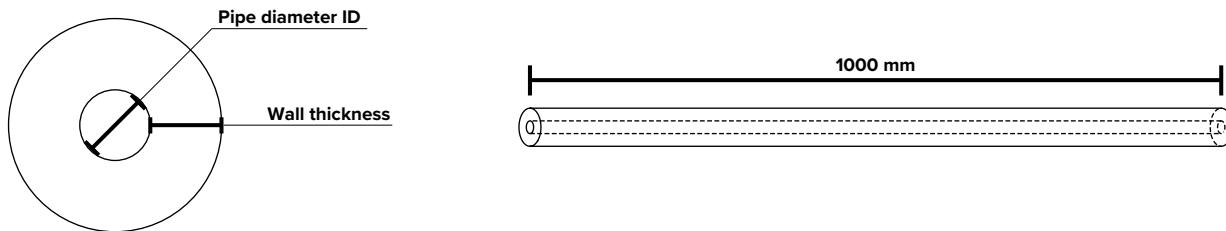
Packaging Recycling: GreenStuf Phenolic Pipe Lagging packaging is recyclable LDPE shrink wrap material with recyclable cardboard corner protectors. Please refer to your local recycling providers for drop-off and collection services.

Environmental: Manufactured using a CFC/HCFC-free blowing agent that has a zero Ozone Depletion Potential (ODP) and low global Warming Potential (GWP).



PRODUCT	WALL THICKNESS	R-VALUE
GreenStuf Phenolic Pipe Lagging 15mm ID	15mm	R1.05
GreenStuf Phenolic Pipe Lagging 15mm ID	20mm	R1.55
GreenStuf Phenolic Pipe Lagging 15mm ID	25mm	R2.05
GreenStuf Phenolic Pipe Lagging 20mm ID	15mm	R1.00
GreenStuf Phenolic Pipe Lagging 20mm ID	20mm	R1.40
GreenStuf Phenolic Pipe Lagging 20mm ID	25mm	R1.90
GreenStuf Phenolic Pipe Lagging 50mm ID	15mm	R0.80
GreenStuf Phenolic Pipe Lagging 50mm ID	20mm	R1.15
GreenStuf Phenolic Pipe Lagging 50mm ID	25mm	R1.50

Other pipe diameters and wall thickness sizes available on request.



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