

# insul-lap



Pre-slit flexible  
pipe insulation  
with  
self adhesive lap



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insul-lap is a pre-slit pipe insulation, fitted with a self-adhesive tape ready for installation. It is ideal for cold water, heating and plumbing systems, frost protection and energy conservation.

## The benefits of specifying insul-lap;

- Ease of Installation
- Cost Savings – Labour & Time
- No Need for Adhesive
- Temperature Range -40°C to + 116°C
- Class 'O' Fire Rating
- Ideal Flexibility
- Low Thermal Conductivity
- Closed Cell Structure
- Wide Range of Sizes
- Prompt Service
- Full Range of Accessories
- Nationwide Distribution

## insul-lap product range

insul-lap wall thickness	Bore sizes available
9mm	15 to 114mm
13mm	15 to 114mm
19mm	15 to 114mm
25mm	15 to 114mm
32mm	15 to 114mm

## Building Regulations L1

The minimum thicknesses of **insul-lap Class 0** required to meet the Building Regulations are listed below

Building Regs L1	Hot Water Services	Domestic Heating
Energy Conservation	Thermal Conductivity W/mK at 40°C	
Pipe Dia. O/D (mm)	Wall thickness	Wall thickness
15	13	13
22	13	19
28	13	25
35	13	32

Distributed by:

## Technical Data

Tube	2 m
Thickness mm	9 – 13 – 19 – 25 – 32
Ø tube mm	from 15 to 114
Other sizes available by request	
Temperature range – Insulant	-40°C to +116°C
Temperature range – Self seal lap	+ 4°C max + 80°C
Thermal Conductivity to DIN 52613 at mean temperature indicated	0.035 W/mK at 0°C 0.037 W/mK at 20°C 0.040 W/mK at 50°C
Water vapour diffusion resistance factor $\mu$ EN 12086 (DIN 52615)	>7000
Odour	Negligible
Fire Performance: Fire Propagation Class 0 Surface Spread of Flame Class 1	BS476:Part 6 I < 12.0 1989 i < 6.0 BS476:Part 7 1997

## Water Regulations 1999 Frost Protection

The minimum thicknesses of **insul-lap Class 0** required to meet the Water Regulations are listed below

Pipe Dia. O/D (mm)	Normal Conditions	Extreme Conditions
15	25	32
22	19	25
28	13	19
35	9	13
42	9	13
54	9	9
76	9	9

These recommendations refer to a normal occupied domestic dwelling house.

Absences in excess of 24 hours is not considered normal. The thickness of insulation is considered the minimum to provide worthwhile protection against freezing.

**"Normal Conditions"** Inside the building and within the envelope of the insulation where heat is normally provided.

**"Extreme Conditions"** Inside the building but outside the envelope of the insulation ie above the thermal insulation in a loft space, under a suspended ground floor. Area's without heating services, inside the structure of the building.

**nmc (uk) ltd** reserves the right to change or modify any of the technical data or size range of its products without prior notice. The technical data contained in this brochure has been obtained under specific test conditions and the correct application of our products is the responsibility of the user.

## Accessories Available

Rolls of self seal tape for circumvential seams.

Water based paint for external use.

Pipe supports.



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