

nmc

CLIMAFLEX[®] CE Technical Data Sheet

Polyethylene Pipe Insulation

ENLARGED RANGE OF SIZES
COMPLIANT WITH PART L OF THE
APRIL 2010 BUILDING REGULATIONS

Ozone Depletion Potential of **ZERO**

ACCESSORIES



nmc

CLIMAFLEX®_{CE}

The Polyethylene Pipe Insulation for today – with all our futures in mind.
The ideal insulation for Frost Protection and Energy Conservation.

CLIMAFLEX®_{CE} – The expert concept

- Totally CFC and HCFC Free
- Has an **O**zone **D**epletion **P**otential of zero
- The combination of flexibility, along with the use of smaller sizes to meet various regulations leaves CLIMAFLEX®_{CE} in a class of its own
- Fully slit sizes 25mm and 19mm wall thicknesses
- Full range of compatible accessories available
- GWP of 3

Climaflex Product Range

Approx bore size (mm)	9mm	13mm	19mm	25mm
15	15-09*	15-13*	15-19*	15-25*
22	22-09*	22-13*	22-19*	22-25
28	28-09*	28-13*	28-19*	28-25
35	35-09	35-13		
42	42-09	42-13		
48	48-09	48-13		
54	54-09	54-13		
60	60-09			
76	76-09			

- Standard lengths 2m
- (*) available in 1m lengths – 1/2 carton quantities

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

Technical Data

Material	Closed-cell polythylene foam
Thermal Conductivity	$\lambda = 0.036 \text{ W/mK at } 0^\circ\text{C (DIN14313)}$ $\lambda = 0.040 \text{ W/mK at } 40^\circ\text{C (DIN14313)}$
Reaction to Fire	Euroclass E
Water vapour permeability	$\mu \neq 16.000 \text{ (DIN 52615)}$
Water absorption	WS0035
Physiologically neutral	Does not rot

Building Regulation Part L

April 2010 Domestic Heating Compliance Guide

Pipe Dia (mm)	Maximum Heat Loss W/M	nmc(uk) ltd wall thickness mm for both heating and hot water
8	7.06	13
10	7.23	13
12	7.35	19
15	7.89	19
22	9.12	25
28	10.07	25
35	11.08	25

Note: water temperature at 60°C with ambient still air temperature at 15°C

Water Regulations 1999 Frost Protection

The minimum thicknesses of CLIMAFLEX®_{CE} required to meet the new water regulations are listed below

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

These recommendations refer to a normal occupied domestic dwelling. 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.

**FULL RANGE OF CLIMAFLEX
ACCESSORIES AVAILABLE.**

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