

## Description

CAI new pre-insulated pipe incorporates a fire-resistant insulation that is manufactured according to EN 14313. The insulation foam has a fire class rating of BL-S2-D0 as per BS EN13501-1. The combined assembly of the pipe, insulation, and PE-LD foil achieves a fire class rating of E according to BS EN13501-1. The range of pre-insulated pipes offers a pre-assembled solution that combines high performance insulation with ease of installation, resulting in time and cost savings.



Product Code	Description
PALPEX-16100R	100m Coil 16mm Pre-insulation MLCP Red
PALPEX-16100B	100m Coil 16mm Pre-insulation MLCP BLUE
PALPEX-20050R	50m Coil 20mm Pre-insulation MLCP Red
PALPEX-20050B	50m Coil 20mm Pre-insulation MLCP BLUE
PALPEX-25050R	50m Coil 25mm Pre-insulation MLCP Red
PALPEX-25050B	50m Coil 25mm Pre-insulation MLCP BLUE
PALPEX-32050R	50m Coil 32mm Pre-insulation MLCP Red
PALPEX-32050B	50m Coil 32mm Pre-insulation MLCP BLUE

## Technical data

### Performance

Insulation	7mm Round extruded pipe insulation made of polyethylene foam with closed-cell material structure
Thermal conductivity (insulation)	$\lambda=0,040 \text{ W/m}\cdot\text{k}$
Fire resistance (insulation)	class E to BS EN13501-1
Operating conditions (hot water)	Hot water services where the water temperature does not continuously exceed 70°C, maximum design pressure of 10 bar (conditions to class 2 - BS EN ISO 21003: 2008).
Operating conditions (cold water)	Cold water services <20 °C - where the maximum system pressure does not exceed the maximum operating pressure of 10 bar
Operating conditions (heating)	Heating systems (high temperature radiators) - where the water temperature does not continuously exceed 80°C, 10 bar (conditions to class 5 – BS EN ISO 21003: 2008).

## Features

- Pre-insulated
- Fire resistant
- Continuous vapour barrier
- Pre-assembled
- 50m/100m coil

## Benefits

- Fast installation
- Meets the fire requirements for most building types
- Maintains the effectiveness of the insulation
- Reduced costs with no further insulation or labour required
- Perfect for joint-free plumbing applications