Pre-insulated MLCP Datasheet

Collaboration and Innovation

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

Technical data

Performance	
Insulation	7mm Round extruded pipe insulation made of polyethylene foam with closed-cell material structure
Thermal conductivity (insulation)	λ=0,040 W/m*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 70ćC, 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 80ćC, 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