

Product Data Sheet

12/17/2024

Heating Distribution (Plastic Pipes)

Multilayer Pipe MLCP

UK - Myson



- Easy to install
- Floortec compatibility
- Various coil lengths
- Durability
- Environmentally friendly

Description

Myson has been manufacturing underfloor heating pipe since 1974. Manufactured in Germany, it combines all the advantages of precision German engineering with Myson's own unrivalled expertise in the field of heating.

Myson Floortec's multi-layer pipe is available in 16mm diameter. It is a flexible pipe, making it extremely easy to install, and is compatible with most Myson Floortec underfloor systems.

Area of Application

The Multilayer Pipe MLCP is ideal for underfloor heating applications. It is compatible with most Floortec underfloor heating systems, except Microboard. Suitable for residential and commercial installations, this 16mm diameter pipe with an aluminium layer ensures simple installation and provides flexibility. It is perfect for any installation requiring a reliable and compatible underfloor heating solution.

Selection Criteria

For optimal selection of Multilayer Pipe MLCP, refer to our design service or use our brochure for guidance.

Basic User Instructions

Install the Multilayer Pipe MLCP in compliance with underfloor heating system guidelines. The pipe's 16 mm diameter with an aluminium layer ensures a secure and flexible fit. Ensure compatibility with Floortec systems, excluding Microboard. Carefully press the pipe into place to achieve the desired pattern. Verify that connections are leak-proof and properly insulated. Periodically check system functionality to maintain optimal performance.

Prescription text specifiers

The Multilayer Pipe MLCP is a 16mm diameter flexible pipe with an aluminium layer designed for easy installation of underfloor heating systems. Manufactured in Germany, it guarantees precision and high quality. Compatible with most Myson Floortec underfloor heating systems (excludes Microboard). Available in coil lengths of 100m, 200m, and 400m. Provides excellent durability and environmental benefits as it's produced without chemical additives. Ideal for both residential and commercial applications, ensuring reliable and efficient heating solutions.

Warranty

For your additional peace of mind, Purmo Group gives the following Warranty against manufacturing defect. Your statutory rights are not affected by this Warranty.

Subject as provided below, Purmo Group warrants to the original purchaser at the original installation site that its products will be free from defects in materials and workmanship for the following periods:

- Hydronic Radiators: 10 years from date of purchase.*
- Fan Assisted Radiators (ULOW-E2): 2 years from date of purchase.*
- Fan Convectors: 2 years from date of purchase.
- Hydronic Underfloor Heating: 10 years for the pipe from date of purchase.
- Hydronic Underfloor Heating: 2 years on accessories, actuators, ball valves, controls, expansion vessels, fittings, low loss headers, manifolds, mixer control groups & tooling from date of purchase.
- Hydronic Underfloor Heating: 12 months on all pumps from date of purchase.
- Electric Underfloor Heating: 10 years from date of purchase (except programmer & sensor).
- Electric Radiators and Towel Warmers: 2 years from date of purchase.*
- Hydronic Towel Warmers: 5 to 10 years from date of purchase depending on product type.*
- Myson Radiator Valves and Controls: 2 to 5 years from date of purchase, depending on range.

*Products which are exposed to prolonged extreme conditions, such as high humidity or severe cold/condensation, may be subject to deterioration. This is not a result of any manufacturing defect. Products installed in these circumstances will be subject to a warranty period of twelve months only.

The original purchaser's remedy for breach of this Warranty is expressly limited to repair or replacement of any part or parts found to be defective under conditions of normal service and use during the above Warranty period and does not extend to Purmo Group being liable for any incidental, special or consequential damages or losses whatsoever, such as loss of use of the product, inconvenience or lost profits.

This Warranty does not cover any defect, damage or malfunction in the product which is due to: failure to comply in any respect with Purmo Group's installation, maintenance or operating instructions; faulty storage,

handling, installation or repair; mis-use; neglect; accident; abuse; or general wear and tear.

Before this warranty can be activated, the original purchaser will be required to prove, with supporting documentation, the date and place of purchase, as Purmo Group may need to conduct its investigation into

the alleged defect. This should be within 28 days of the date when the defect was discovered or ought to have reasonably discovered the defect.

Purmo Group reserves the right to make a reasonable charge for inspecting and testing any product which is subject to a Warranty claim and the rights conferred by the Warranty are conditional upon the payment of such charge. The charge may be made, at Purmo Group's discretion, either before or after the inspection and testing of the product. In the event that it is established to Purmo Group's reasonable satisfaction that a valid Warranty claim has been made in respect of the product, then any inspection charge which has been paid will be refunded in full by Purmo Group.

Specification

Feature	Unit	Value
Etim Class		EC010225 - Multi-layered pipe, smooth
Material inner layer		Plastic
Quality class inner layer		PE-RT II
Material intermediate layer		Aluminium
Quality class intermediate layer		Other
Material outer layer		Plastic
Quality class outer layer		PE-RT II
Number of layers		5
Glass-fibre reinforced		No
Diffusion-proof		Yes
Connection 1		Tube end
Insert length connection 1	Millimetre (mm)	16
Outer pipe diameter	Millimetre (mm)	16
Wall thickness	Millimetre (mm)	2
System-specific		Yes
Medium temperature (continuous) min	Degrees celsius (°C)	- 70, 70
Max. medium temperature (momentarily)	Degrees celsius (°C)	90
Max. operating pressure at 20 °C	Bar (bar)	10
Max. operating pressure at max. medium temperature	Bar (bar)	10
Wall roughness	Millimetre (mm)	0.0015
Expansion coefficient	Millimetre per metre Kelvin (mm/(m.K))	0.024
Flexible		Yes
Suitable for surface mounting		Yes
Min. bending radius	Millimetre (mm)	24
Min. bending radius without tools	Millimetre (mm)	80
Pipe colour		White
With mantle pipe		No
With heating cable		No
With thermal insulation		No
UV resistant		No
SVGW certified		No
Capped		No
Water content	Litre per metre (l/m)	0.113
Halogen free		Yes
Hook-and-loop fastening		No
Certified according to SVGW for water		No

Feature	Unit	Value
Certified according to SVGW for gas		No
DIN-CERTCO certificate		Yes
With approval for TÜV		No
DVGW quality mark for gas		No
DVGW quality mark for water		No
Compliant with NF 545		No
KIWA certified		No
Gastec QA mark		No
KOMO certified		No
Type approval according to BBR/EKS		No
Item weight	Kilogram (kg)	10.9, 21.8, 43.6

Resources

Document Description	Document Type	Link
Myson Complete Solutions - Full Brochure	Brochure	https://asset.productmarketingcloud.com/api/assetstorage/3577_24872a57-c3a5-4956-ab4b-dfa3b522c19b
Myson Underfloor Heating Brochure	Brochure	https://asset.productmarketingcloud.com/api/assetstorage/3577_1be94879-adf6-4cac-b5ef-6f38e377031f
Range brochure	Brochure	https://asset.productmarketingcloud.com/api/assetstorage/3577_3e6c4df2-7006-4133-88db-1026c6c421d2

Items

Local Code	Global Item Code	Item Description
53002	FBPPTAC1620100A0	Floortec Multi-layer Pipe 16x2x100
53005	FBPPTAC1620200A0	Floortec Multi-layer Pipe 16x2x200
53004	FBPPTAC1620400A0	Floortec Multi-layer Pipe 16x2x400