Product Data Sheet

9/11/2025

Heating Distribution (Plastic Pipes)

Pexcellent Pipe

UK - Myson

- Integral oxygen barrier
- Compatible with most Floortec systems
- No chemical additives
- High-quality German engineering
- Multiple diameter options

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 PEXCellent5 underfloor heating pipe is a polyethylene pipe with 5 layers, which includes an integral oxygen barrier. It is available in 12mm, 17mm and 20mm diameters and is compatible with most Myson Floortec heating systems, including Myson Floortec Microboard low-profile heating system. It is environmentally friendly and is produced with no chemical additives in either the production or disposal processes.

Area of Application

Pexcellent Pipe is suitable for underfloor heating applications. It's designed to be compatible with most Floortec heating systems, including Microboard. Available in 12mm, 17mm, and 20mm diameters, it provides an integral oxygen barrier and is environmentally friendly, ideal for both residential and commercial use.

Selection Criteria

For selecting the product or calculating the system, please use our technical documents, product manuals, our design service, or contact us via email or phone.

Basic User Instructions

Ensure the correct diameter is selected based on your system requirements. Connect the pipe to the Floortec heating system, making sure the 5-layer construction is intact. Avoid using chemical additives during installation or disposal to maintain environmental friendliness. Regular checks for leaks and proper sealing are recommended for optimal performance.

Prescription text specifiers

Pexcellent Pipe is a high-quality 5-layer polyethylene pipe with an integral oxygen barrier, available in 12mm, 17mm, and 20mm diameters. Compatible with most Floortec heating systems, including the Microboard low-profile system. It is environmentally friendly, produced with no chemical additives in either the production or disposal processes, ensuring safety and sustainability. Manufactured in Germany, it combines German engineering precision with over 40 years of Myson's expertise in underfloor heating solutions. Ideal for both residential and commercial underfloor heating applications.

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 & toolingfrom 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: 10 years from date of purchase on radiator unit*, electric controls & electronic components; 2 years from date of purchase.*
- Electric 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-Xc
Material intermediate layer		Plastic
Quality class intermediate layer		Ethylene vinyl alcohol (EVOH)
Material outer layer		Plastic
Quality class outer layer		PEHD-Xc
Number of layers		5
Glass-fibre reinforced		No
Diffusion-proof		Yes
Connection 1		Tube end
Insert length connection 1	Millimetre (mm)	10, 12, 17, 20
Outer pipe diameter	Millimetre (mm)	10, 12, 17, 20
Wall thickness	Millimetre (mm)	1.25, 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)	8, 10
Max. operating pressure at max. medium temperature	Bar (bar)	8, 10
Wall roughness	Millimetre (mm)	0.0015
Expansion coefficient	Millimetre per metre Kelvin (mm/(m.K))	0.15
Flexible		Yes
Suitable for surface mounting		No
Min. bending radius	Millimetre (mm)	50, 60, 85, 100
Min. bending radius without tools	Millimetre (mm)	50, 60, 85, 100
Pipe colour		Red
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)	0.044, 0.05, 0.133, 0.2
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
CO2/Kg equivalent per kg of material		9.3492, 11.424, 15.6576, 17.136, 18.6984, 23.4864, 34.272, 39.144, 67.032, 117.432, 126.525
Weight	Kilogram (kg)	4.452, 5.44, 7.456, 8.16, 8.904, 11.184, 16.32, 18.64, 31.92, 55.92, 60.25

Resources

Document Description	Document Type	Link
Myson Floortec Premium Underfloor Heating Brochure	Brochure	https://asset.productmarketingcloud.com/api/assetstorage/3577_c2f27eb0-a115-4698-910c-e992a7d7a2d0
Myson Complete Solutions - Full Brochure	Brochure	https://asset.productmarketingcloud.com/api/assetstorage/3577_24872a57-c3a5-4956-ab4b-dfa3b522c19b
Range brochure	Brochure	https://asset.productmarketingcloud.com/api/assetstorage/3577_3e6c4df2-7006-4133-88db-1026c6c421d2
Myson Underfloor Heating Brochure	Brochure	https://asset.productmarketingcloud.com/api/assetstorage/3577_c8ffc669-f6bd-4830-9584-c4c92b8b54f7

Items

Local Code	Global Item Code	Item Description
54044	FBCXC1C2020240A0	Floortec Pe-Xc Pipe 20x2x240
54053	FBCXC5C1010120A0	Floortec Pe-Xcellent 10x1,25 120m
54046	FBCXC5C1720080A0	Floortec Pe-Xcellent 17x2 80m
54047	FBCXC5C1720120A0	Floortec Pe-Xcellent 17x2 120m
54048	FBCXC5C1720200A0	Floortec Pe-Xcellent 17x2 200m
54049	FBCXC5C1720600A0	Floortec Pe-Xcellent 17x2 600m
54050	FBCXC5C2020500A0	Floortec Pe-Xcellent Pipe 20x2x500
54054	FP5C1010240VNNRT	Floortec Pe-Xcell.10x1,25 240m
54055	FP5C1220080RGNRT	Pexcellent Pipe 12mm Pipe - 80m Coil
54056	FP5C1220120RGNRT	Pexcellent Pipe 12mm Pipe - 120m Coil
54057	FP5C1220240RGNRT	Pexcellent Pipe 12mm Pipe - 240m Coil