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## PDM Preinsulated Pipes - “First In Pipes”

We pride ourselves on innovation, manufacturing and delivering the best products this industry has ever seen. Coupled with that is service. It’s foundational to any business, period. Below are some highlights of the top areas of our business that we focus our attention on, so you don’t have to.

### Why Choose Us?



#### INNOVATIVE THINKING

Our solutions continuously improve the HVAC piping industries with simple, durable and cost effective solutions. Our R&D keeps brain storming, testing and creating new products making sure we always keep leading and NEVER FOLLOW.



#### SERVICE

Optimizing our customer service is an everyday priority. We always stand by our products while creating the best experience you might have. Choose us and feel the difference.



#### QUALITY

The product is tested several times to last and to meet your needs. Contact us and we’ll show you how it’s done.



#### AVAILABILITY

Our plant is located in Italy and is always in production – 24hrs a day, 7 days a week, 365 days a year. We never stop, constantly timing in advance the right production cycles, making sure to always have enough products to quickly and efficiently fulfill your orders



#### MADE IN EUROPE

We proudly produce from our plant in the South Italy. Our location is strategically positioned for efficient logistic and timely distribution.



# WHITESHIELD PREISULATED COPPER ROLL

## APPLICATIONS

It perfectly fits every air conditioning, such as ductless mini-splits, VRF, heat pumps and centralized air ducted units.

## TECHNICAL SPECS

### INSULATION

**Polyethylene closed cell foam:** assures thermal insulation from surroundings. Thickness according to UNI EN 14114:2006, suitable to avoid dripping in standard working conditions (minimum inside fluid temperature 7°C, room temperature 27°C, relative humidity lower or equal than 50%).

**Low-density polyethylene foam:** closed cells foam, CFC and HCFC gas free

**Water vapor permeability:**  $\mu = 12000$

**Water absorption:** WS 005

**Maximum working temperature:** ST(+) 110

**Wall thickness:** from 7 to 10 mm

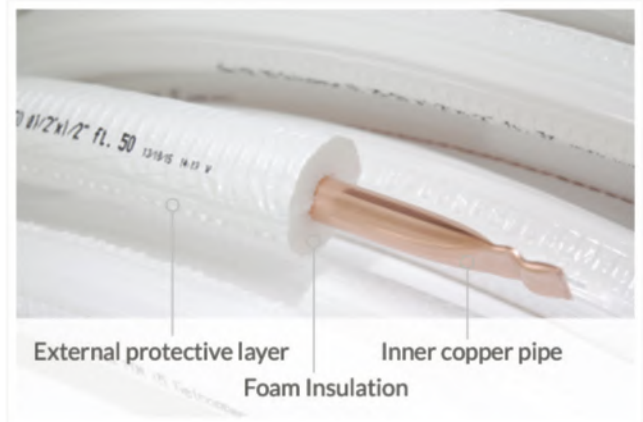
**Surface burning characteristics:** BL -s1, d0 certified insulation

**Thermal Conductivity:** 0,038 W/mk (at 40°), according to UNI EN ISO8497

### COPPER

**Pipes:** Manufactured according to EN 12735-1. Suitable for R407, R410, R32 and R134a, gases.

**Copper:** NO. C122200 DHP (phosphorous deoxidized, high residual phosphorous), 99.90%



## SPECIAL FEATURES

**Outer Jacket:** additional white polyethylene jacket cover protects foam insulation from tearing during installation process. Outer Jacket is wrinkled or smooth.

**Marking:** insulation marked progressively at each meter, to ensure correct installation of the product.

**R410a approved:** Whiteshield can be used in applications where high-pressure gases are used as refrigeration source.

**UV resistant:** Whiteshield is UV resistant.

**Paintable:** the insulation can be painted to match the surroundings.

PDM EU recommends product installation under plastic duct to protect it from severe weather conditions, accidental damages or theft.





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## PRODUCT TABLE

PDM EU PART NUMBER	COIL SIZE	INSULATION	COILS (per pallet)	LENGTH (of rolls)
F100.GUS1450	1/4x0.8	7-10mm	20-16	50 M
F100.GUS3850	3/8x0.8	7-10mm	20-16	50 M
F100.GUS1250	1/2x0.8	7-10mm	14-12	50 M
F100.GUS58X0850	5/8x0.8	7-10mm	12	50 M
F100.GUS14X150	1/4x1.0	7-10mm	20-16	50 M
F100.GUS38X150	3/8x1.0	7-10mm	20-16	50 M
F100.GUS12X150	1/2x1.0	7-10mm	20-16	50 M
F100.GUS58X150	5/8x1.0	7-10mm	12	50 M
F100.GUS1425	1/4x0.8	7-10mm	32-24	25 M
F100.GUS3825	3/8x0.8	7-10mm	30-22	25 M
F100.GUS1225	1/2x0.8	7-10mm	30-20	25 M
F100.GUS58X0825	5/8x0.8	7-10mm	20	25 M
F100.GUS58X125	5/8x1.0	7-10mm	20	25 M
F100.GUS3425	3/4x1.0	7-10mm	16	25 M
F100.GUS7825	7/8x1.0	7-10mm	14	25 M

# TWINSHIELD PREINSULATED COPPER LINE SETS

## APPLICATIONS

It perfectly fits every air conditioning, such as ductless mini-splits, VRF, heat pumps and centralized air ducted units.

## TECHNICAL SPECS

### INSULATION

**Polyethylene closed cell foam:** assures thermal insulation from surroundings. Thickness according to UNI EN 14114:2006, suitable to avoid dripping in standard working conditions (minimum inside fluid temperature 7°C, room temperature 27°C, relative humidity lower or equal than 50%).

**Low-density polyethylene foam:** closed cells foam, CFC and HCFC gas free

**Water vapor permeability:**  $\mu = 12000$

**Water absorption:** WS 005

**Maximum working temperature:** ST(+) 110

**Wall thickness:** from 7 to 10 mm

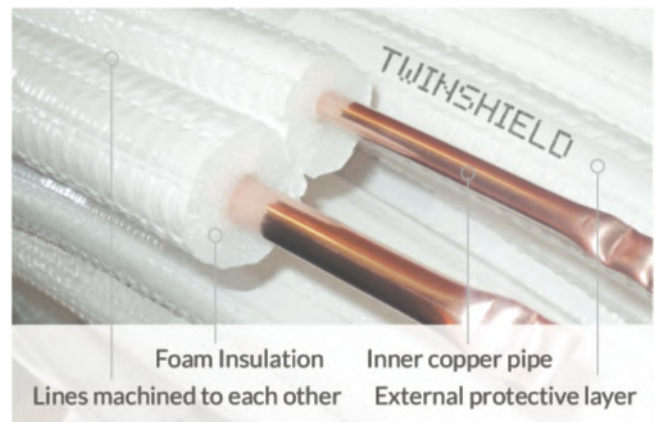
**Surface burning characteristics:** BL -s1, d0 certified insulation

**Thermal Conductivity:** 0,038 W/mk (at 40°), according to UNI EN ISO8497

### COPPER

**Pipes:** Manufactured according to EN 12735-1. Suitable for R407, R410, R32 and R134a, gases.

**Copper:** NO. C122200 DHP (phosphorous deoxidized, high residual phosphorous), 99.90%



## SPECIAL FEATURES

**Outer Jacket:** additional white polyethylene jacket cover protects foam insulation from tearing during installation process. Outer Jacket is wrinkled or smooth.

**Marking:** insulation marked progressively at each meter, to ensure correct installation of the product.

**R410a approved:** Twinshield can be used in applications where high-pressure gases are used as refrigeration source.

**UV resistant:** Twinshield is UV resistant.

**Paintable:** the insulation can be painted to match the surroundings.

PDM EU recommends product installation under plastic duct to protect it from severe weather conditions, accidental damages or theft.





# TWINSHIELD PREINSULATED COPPER LINE SETS

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## PRODUCT TABLE

PDM EU PART NUMBER	COIL SIZE	INSULATION	COILS (per pallet)	LENGTH (of rolls)
F100.GUS143825	1/4x0.8-3/8x0.8	7-10mm	20-18	25 M
F100.GUS141225	1/4x0.8-1/2x0.8	7-10mm	16-18	25 M
F100.GUS1458X0825	1/4x0.8-5/8x0.8	7-10mm	15-13	25 M
F100.GUS1458X125	1/4x0.8-5/8x1.0	7-10mm	15-13	25 M
F100.GUS3858X0825	3/8x0.8-5/8x0.8	7-10mm	14-12	25 M
F100.GUS3858X125	3/8x0.8-5/8x1.0	7-10mm	14-12	25 M
F100.GUS143820	1/4x0.8-3/8x0.8	7-10mm	20-18	20 M
F100.GUS141220	1/4x0.8-1/2x0.8	7-10mm	20-18	20 M
F100.GUS1458X0820	1/4x0.8-5/8x0.8	7-10mm	16-14	20 M
F100.GUS1458X120	1/4x0.8-5/8x1.0	7-10mm	16-14	20 M
F100.GUS3858X0820	3/8x0.8-5/8x0.8	7-10mm	17-15	20 M
F100.GUS3858X120	3/8x0.8-5/8x1.0	7-10mm	17-15	20 M

# MULTILAYER PIPES

## PEXB /AL/PEXB

### APPLICATION:

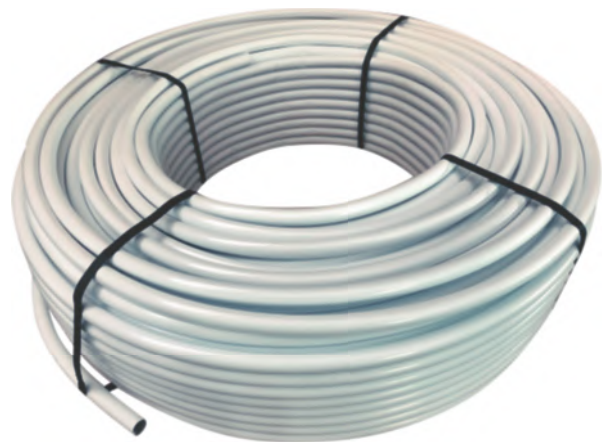
The Multilayer Pipes Pexb / Al / Pexb Pipes Naked and Insulated are suitable for water conduction of hot and cold water in aeration systems, drinking water transport systems, irrigation systems, cooling and heating systems.

### TECHNICAL SPECS:

- Thickness of Aluminum:**  $35,5 \leq S \leq 42,8$
- Max temperature:** 95°C
- Pressure (bar):** 10 bar
- Permeability to oxygen:** 0,0mg/l
- Thermal expansion coefficient:** 0,026 mm/m °C
- Thermal conductivity:** 0,43 W/m °C
- Internal roughness coefficient:** 0,007 mm

### MATERIAL SPECS OF THE PIPES:

- Polyethylene:** type PE-Xb, with density at 23 ° C DIN 53479 g / m<sup>3</sup> 0,943 and a flow index of MFI 190 / 5kg ISO 1133 g / 10 min 2,5
- Aluminum:** the aluminum sheet is cylindrically positioned on the inner layer of the plastic material and is welded on the entire joint. The thickness of the aluminum is from 0.2 mm to 0.6 mm, type 8006 O and is welded by TIG welding (Tungsten Inert Gas).



### MATERIAL SPECS OF THE INSULATION:

- Polyethylene closed cell foam:** assures thermal insulation from surroundings, suitable to avoid dripping in standard working conditions.
- Low-density polyethylene foam:** closed cells foam, CFC and HCFC gas free.
- Water vapor permeability:**  $\mu = 12000$
- Water absorption:** WS 005
- Maximum working temperature:** ST(+) 110
- Outer Jacket:** additional white polyethylene jacket cover protects foam insulation from tearing during installation process. Outer Jacket is wrinkled or smooth.
- The inner insulation thickness is available:** in 7mm and 10mm
- Marking:** insulation marked progressively at each meter, to ensure correct installation of the product.
- Paintable:** the insulation can be painted to match the surroundings.





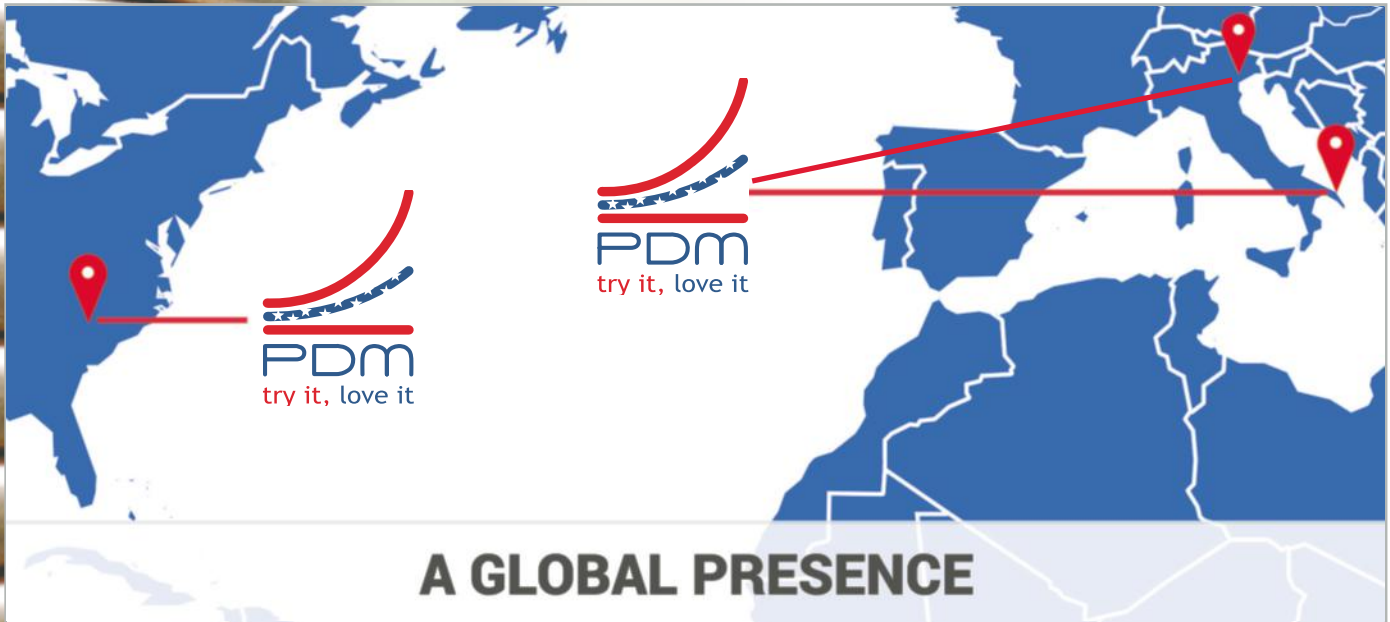
# MULTILAYER PIPES

## PEXB /AL/PEXB

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### PRODUCT TABLE

PDM EU PART NUMBER	COIL SIZE	COILS (per pallet)	LENGTH (of rolls)
DM MULTILAYER 16X2	16	30	100 m
DM MULTILAYER 16X2200	16	12	200 m
DM MULTILAYER 16X2500	16	8	500 m
DM MULTILAYER 16BLUE	16	15	50 m
DM MULTILAYER 16RED	16	15	50 m
DM MULTILAYER 18X2	18	12	100 m
DM MULTILAYER 18BLUE	18	14	50 m
DM MULTILAYER 18RED	18	14	50 m
DM MULTILAYER 20X2	20	12	100 m
DM MULTILAYER 20BLUE	20	14	50 m
DM MULTILAYER 20RED	20	14	50 m
DM MULTILAYER 26X3	26	14	50 m
DM MULTILAYER 26BLUE	26	10	50 m
DM MULTILAYER 26RED	26	10	50 m
DM MULTILAYER 32X3	32	18	25 m



## A GLOBAL PRESENCE

### Contact Us Today.

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