

# INSUPEX

## Underground Pre-insulated Pipe System

The all-in-one insulated PEX pipe is the ultimate solution for distributing hot water in the ground externally. The benefits to you and your customer are:

- **Joint-Free and Lightweight**
- **Insulated and Durable**
- **Flexible and Fast to Lay**
- **Single or Double Pipes,**
- **Low Cost Solution**
- **Low Energy Manufacturing**
- **Complete Range of Sizes and Fittings**



INSUPEX system complements the rest of the IPPEC range of advanced heating and plumbing systems. The insulated PEX pipe can be connected to a range of primary manifolds and Fittings. Unique PEX to copper in one compression fitting is also available.



Although INSUPEX consists of relatively few parts, a range of underground sleeves, and Tees are available. The inspection chamber shown can accommodate pipes up to 200mm external diameter

## Designed for Durability, Fuel Savings and Ease of Installation

### The Strength From Within ...

INSUPEX pipe is made of high density polyethylene and cross linked to withstand high temperature and pressure. The PEX pipe has an oxygen barrier as per DIN 4726. The PEX pipe which is available in full range of metric sizes complies with BS 7291 part 1 and 3.

### Coupled with External Protection ...






The external corrugated jacket provides mechanical protection by being shock damage resistant even at sub zero temperatures. It is also a vapour barrier sealing the insulation and internal PEX pipes.

### And Unrivalled Insulation Properties.

INSUPEX insulation is made of expanded and cross-linked PE foam resulting in a closed micro-cell structure. This inhibits water absorption while retaining excellent insulation properties and exceptional flexibility.



## The INSUPEX System

INSUPEX Duo ( Heating)							
Part No.	PEX Pipe o.d. in mm	HDPE Insulation o.d. in mm	Weight / m in Kg / m	Min. Bending Radius in mm	Dust Cap	Heat sealed Cap	Brass Coupler
MD16032 C	2 x 25/2.3	160	1.57	300	MSD16025	MK3350-01	14425/23
MD16040 C	2 x 32/2.9	160	1.77	400	MSD16032	MK3350-01	14432/29
MD16040 C	2 x 40/3.7	160	2.00	500	MSD16040	MK3350-02	15440/37
MD20050 C	2 x 50/4.6	200	3.55	750	MSD20050	MK3350-03	16450/40
INSUPEX Uno ( Heating)							
M7525 C	25/2.3	75	0.64	200	MS7525	MK2000	14425/23
M9032 C	32/2.9	90	0.88	260	MS9032	MK2100	14432/29
M1640 C	40/3.7	160	1.65	500	MS16040	MK2340	15440/37
M16050 C	50/4.6	160	1.90	500	MS16050	MK2340	16450/40
M16063 C	63/5.7	160	2.20	500	MS16063	MK2500	1263/57
M20075 C	75/6.9	200	3.10	550	MS20075	MK2600	1275/69
M20090 C	90/8.2	200	3.80	550	MS20090	MK2600	1390/82
M200110 C	110/10	200	4.50	600	MS200110	MK2600	13110/10

## The Solution to Many Applications

The applications INSUPEX continue to grow. It was first used as district heating delivery pipes. Now it is used in damp cold soil in distributing hot water to central heating, underfloor heating or HWS from plant rooms outside buildings. All types of buildings from farm houses to hospitals and food factories are using INSUPEX pipe. Leisure centres, swimming pools and sports grounds also benefit from INSUPEX systems.

## Nationwide Delivery and Support

INSUPEX can be delivered in length from 25 to 100m and usually from stock. Further technical information is available for design and installation procedure. Call your local agent or our head office for prices.

Supplied by:

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