

# UFP16/20 Underfloor Pex Pipe



kilma



100% MADE IN ITALY

## Aged Life Expectancy

Greater than 50 years from date of manufacture.

## Warranty

25 years from date of purchase.  
(refer specific product warranty statement)

## UF104910 Underfloor Fixing Strip

16mmØ x 1m strip @50mm centers.  
Fixing strips for attaching underfloor heating pipes either to existing floor, slab or onto a polystyrene base.



## Description

RBM Kilma flex underfloor heating pipe is made of high density cross-linked polyethylene (PeXc) with a EVOH oxygen barrier layer.

The process known as 'cross-linking' converts standard polyethylene into a thermosetting material thus increasing the long-term ageing characteristics as well as the resistance to high temperatures. PeXc is the highest standard cross linking process.

The oxygen barrier prevents the permeation of oxygen through the side wall of the pipe which can otherwise lead to system corrosion.

## Features

- Elevated thermal-mechanical characteristics, enables heating applications from up to 95°C.
- Enhanced durability while the pipe remains light and flexible enough to be easily bent.
- Excellent resistance to chemical corrosion and electrochemistry.
- High resistance to abrasion.
- An absence of scale build up and resulting pressure losses.
- Low noise conductivity.
- Non-toxicity

## Specifications

Size, Roll	16x2mm, 300m 20x2mm, 300m
Recommended max. operating temp/pressure	90°C @6bar
Material	PeX c-EVOH
Colour	Opaque
Volume of water per meter	16mm 0.113 liters 20mm 0.201 liters
Minimum bend radius	5 x Ø
Specific weight at 23°C	0.95 g/cm <sup>3</sup>
Weight per meter	16mm 0.089 kg/m <sup>3</sup> 20mm 0.115 kg/m <sup>3</sup>
Modulus of elasticity	> 600 MPa
Application field	-5 - 100°C
Thermal conductivity	0.41 W/mK
Thermal expansion coefficient	0.15mm/m °C
Oxygen permeability @40°C	<0.1 g/m <sup>3</sup> d
Degree of cross linking	>60%

## Storage and Handling

The pipe is not warranted against UV damage. Do not leave exposed above ground and in direct sunlight for more than 1 week - including tails extending above the slab which should be wrapped while exposed.

