

# Pre-insulated – Multilayer Metal Pipes

Energy saving insulation for heating and sanitary pipes



## Area of application:

The pre-insulated multilayer metal pipes are an application for heating and cooling pipelines in sanitary- and heating systems. It is also possible to use this type of pipe for process heat in the industry and plant construction.

The cylindrically extruded, closed-cell soft polyethylene foam is free of CFCs and HFCs. The PE-outside layer protects the foam and the pipe against UV rays and against mechanical stress and can be labeled individually.

## Technical specifications:

- ✓ Thermal conductivity by 40°C = 0.040 W/mk  
by 10°C = 0.036 W/mK
- ✓ Fire behavior foam EN 13501-1: B1s1d0
- ✓ Foam with outer layer EN 13501-1: C1s1d0  
for 6 + 9 mm (13 mm = D1s1d0)
- ✓ Temperature resistant up to + 95°C
- ✓ Density > 30 kg/m<sup>3</sup>
- ✓ Resistance to water vapor  
 $\mu > = 7.000$  (EN 13469)

## Advantages of our pre-insulated pipes:

- + Subsequent insulation on mounted pipes is eliminated
- + Easy installation due to good flexibility
- + Reduction of heat loss
- + Prevention of drinking water warming
- + Prevention of condensation
- + Prevention of sound transmission
- + Sound insulation of over 20 dB possible
- + Simple and economical processing

**Possible versions, HakaGerodur labeled:**

**Insulation thickness: 6 / 9 / 13 mm**  
**Topcoat color: white / blue / red**

Type	Dimension	length	MOQ / white	MOQ / blue-red
Multilayer pipe	16 x 2.0 / 6 mm	100 m	800 m	800 m
<b>Multilayer pipe</b>	<b>16 x 2.0 / 9 mm</b>	<b>50 m</b>	<b>550 m</b>	<b>550 m</b>
Multilayer pipe	16 x 2.0 / 13 mm	50 m	350 m	700 m
Multilayer pipe	20 x 2.0 / 6 mm	50 m	600 m	600 m
<b>Multilayer pipe</b>	<b>20 x 2.0 / 9 mm</b>	<b>50 m</b>	<b>500 m</b>	<b>500 m</b>
Multilayer pipe	20 x 2.0 / 13 mm	50 m	300 m	600 m
Multilayer pipe	26 x 3.0 / 6 mm	50 m	400 m	400 m
<b>Multilayer pipe</b>	<b>26 x 3.0 / 9 mm</b>	<b>50 m</b>	<b>250 m</b>	<b>500 m</b>
Multilayer pipe	26 x 3.0 / 13 mm	25 m	200 m	400 m
Multilayer pipe	32 x 3.0 / 6 mm	25 m	275 m	550 m
Multilayer pipe	32 x 3.0 / 9 mm	25 m	225 m	450 m

**Fat = on stock**

**Possible versions OEM:**

**Insulation thickness: 6 / 9 / 13 mm**  
**Topcoat color: white / blue / red**

Type	Dimension	length	MOQ / white	MOQ / blue-red
Multilayer pipe	16 x 2.0 / 6 mm	50 / 100 m	3'000 m	je 6'000 m
Multilayer pipe	16 x 2.0 / 9 mm	50 / 100 m	2'500 m	je 5'000 m
Multilayer pipe	16 x 2.0 / 13 mm	50 m	1'400 m	je 2'800 m
Multilayer pipe	20 x 2.0 / 6 mm	50 / 100 m	2'400 m	je 4'800 m
Multilayer pipe	20 x 2.0 / 9 mm	50 / 100 m	2'000 m	je 4'000 m
Multilayer pipe	20 x 2.0 / 13 mm	50 m	1'200 m	je 2'400 m
Multilayer pipe	25/26 x 3.0 / 6 mm	25 / 50 m	1'600 m	je 3'200 m
Multilayer pipe	25/26 x 3.0 / 9 mm	25 / 50 m	1'000 m	je 2'000 m
Multilayer pipe	25/26 x 3.0 / 13 mm	25 / 50 m	800 m	je 1'600 m
Multilayer pipe	32 x 3.0 / 6 mm	25 / 50 m	1'100 m	je 2'200 m
Multilayer pipe	32 x 3.0 / 9 mm	25 / 50 m	900 m	je 1'800 m

(MOQ = min. order quantity)

Contact adress:  
HakaGerodur AG  
Mooswiesstrasse 67  
CH-9201 Gossau  
Tel. +41 71 388 94 94  
Fax. +41 71 388 94 80  
sekretariat@hakagerodur.ch  
www.hakagerodur.ch