

Energy Saving Solution (EnEV) Pre-insulated – Multilayer Metal Pipes



Area of application:

Pre-insulated multilayer metal pipes are an application for heating and cooling pipelines in sanitary- and heating systems with increased energy saving requirements, e.g. the insulation is compliant with the German standard EnEV 50%.

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 = 0.035 W/mK
- ✓ Fire behaviour foam EN 13501-1: EI
- ✓ Temperature resistant up to 95° C
- ✓ Resistance to water vapour $\mu \geq 6000$
- ✓ Density 33 kg / m³

Advantages of our pre-insulated pipes:

- + EnEV 50% compliant with small outside diameter
- + Cost and space saving
- + Simple and economical processing
- + Prevention of condensation
- + Prevention of sound transmission

Possible versions:

Insulation thickness:

Topcoat color:

EnEV 50% with 10 mm foam

white / blue / red

Typ	Dimension	length	MOQ / white	MOQ / blue-red
Multilayer pipe	16 x 2.0 / 10 mm	50 / 100 m	2'400 m	each 4'800 m
Multilayer pipe	20 x 2.0 / 10 mm	50 / 100 m	2'000 m	each 4'000 m
Multilayer pipe	25/26 x 3.0 / 10 mm	25 / 50 m	1'200 m	each 2'400 m

(MOQ = minimum order quantity)