

ISOCLIMA S.p.A  
CAPITALE SOCIALE: € 19.700.000,00 i.v  
SEDE LEGALE E AMMINISTRATIVA: Via Giovanni XXIII, 58 -  
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C.C.I.A.A.: BS 354531 - REG. SOC. TRIB.: BS 55484  
COD. FISCALE/P.IVA: IT 03295180172  
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## **- SUPPLIER'S DECLARATION OF CONFORMITY -**

**(secondo la ISO/IEC 17050-1)**

La Società: **ISOCLIMA SPA**  
con sede e stabilimento: 25086 REZZATO (BS) - Via Giovanni XXIII, 58  
Codice Fiscale e Partita I.V.A.: 03295180172

### **DECLARES**

**Under its own responsibility that the pipes NAKED AND ISOLATED  
MULTILAYER PE-Xb/AL/PE-Xb IS conforms to the following standards:**

**MULTILAYER:** The mechanical, chemical and dimensional multilayer pipes are in accordance with the **UNI EN ISO 21003**

#### **REACTION TO FIRE:**

Self-extinguishing class 1, according to the Ministerial Decree 26/06/1984 modified by the DM 03/09/2001.

**INSOLATED:** The mechanical and dimensional characteristics of the coating used on multi-layer pipes are insulated:

- Sheath CLASS 1 low density polyethylene foam with closed cells (30 kg / mc)
- Outside Film scratch-resistant polyethylene CLASS 1
- Complies with the provisions of Law No. 10 of January 9, 1991
- According to Law No. 46 of 5 March 1990 (self-extinguishing Class 1)
- Coefficient of thermal conductivity  $\lambda = 0.0397$  at 40 °
- Thermal resistance of insulation PE foam between -45 ° C and + 95 ° C
- Odorless and non-toxic
- Made without the use of CFC
- Ecological (fully recyclable)

The pipes with isolated 9 mm thickness can also be used for refrigeration systems: To avoid condensation you still need to consult the designer heating engineer for the calculation of suitable thickness according to the conditions of installation and operating conditions provided in the specification.

All compliance are set out in the installation, however, subject to full compliance with the regulations in this regard.

The determination of the total migration was performed according to the **DM April 6, 2004 No. 174**

MINISTRY OF HEALTH REGULATION ON-THE MATERIALS AND ITEMS THAT **CAN BE USED**  
**IN STATIONARY** capitation, PROCESSING, DISTRIBUTION AND SUPPLY OF WATER  
INTENDED FOR HUMAN CONSUMPTION.

CERTIFICATION

The fields of application of the multilayer pipes PE-Xb/AL/PE-Xb reported hereinafter are defined by corresponding regulations, which provide:

- . maximum operating temperature of **90 °C**;
- . maximum operating pressure of **10 bar**.

The characteristics of the piping systems are specified over a period of **50 years** of continuous operation:

Campo di applicazione	T oper ( °C)	Tempo a T oper (anni)	T max (°C)	Tempo A Tmax (anni)	T mal (°C)	Tempo a Tmal (h)
Acqua calda sanitaria (60°C)	60	49	80	1	95	100
Acqua calda sanitaria (70°C)	70	49	80	1	95	100
Riscaldamentoa pavimento e radiatori a bassatemperatura	20 40 60	2.5 20 25	70	2.5	100	100
Riscaldamento a radiatori ad alta temperatura	20 60 80	14 25 10	90	1	100	100

**Temperature (T oper):** operating temperature stated for the scope, expressed in ° C

**Maximum operating temperature (T max):** value more 'high operating temperature, allowed only for a short period of time

**Malfunction temperature (T mal):** the more 'high temperature value that can' occur when the control systems are damaged (the period of time allowed for this value and '100 h over a period of 50 years of continuous operation).

All pipes are suitable for the transport of water for a period of **50 years** at a working temperature corresponding to the field of application and an operating pressure of 6 bar;



UNI EN ISO  
9001:2015

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All tubes are suitable for the transport of water for a period of 50 years at a temperature of 20 ° C and a pressure of 10 bar.

## ***guarantee***

ALL PRODUCTS AND COMPONENTS ARE PROVIDED BY ISOCLIMA SPA IS TO EUROPEAN STANDARDS APPLICABLE IN THE MATTER OF ***guarantee*** AND LIABILITY ' (DIRECTIVE 2001/95/EC AND EEC 85/374).

THE ***guarantee*** IS NOT VALID 'IN THE FOLLOWING CASES:

- 1) IF THE CONDITIONS ARE REQUIRED OTHER THAN WRITE
- 2) IF THE HOSE IS USED TO DISTRIBUTE FLUIDS NOT COMPATIBLE WITH THE MATERIAL
- 3) IF YOU DO NOT FOLLOW THE INSTRUCTIONS CAREFULLY 'INSTALLATION
- 4) IF THE PIPE DEFECTS ALREADY AT THE TIME OF INSTALLATION TO THESE FACTORS INCIDENTAL visually perceptible DURING OR AT THE TIME OF TEST PRESSURE
- 5) IF THE HOSE AND NOT INSTALLED USING COMPONENTS PRODUCTION ISOCLIMA SPA OR OTHER THAN PERMITTED.

Rezzato, January 2021

ISOCLIMA SPA