

1. Producer of building product: **ZHEJIANG ELEADER INDUSTRIAL CO.LTD**

2. Name of product: **PE-RT/AL/PE-RT multilayer pipes with U profile
press fittings piping system**

3. Technical specification: UNE EN ISO 21003-1:2009, UNE EN ISO
21003-2:2009, UNE EN ISO 21003-2:2009 ERRATUM, UNE EN ISO
21003-2:2009/A1:2011, UNE EN ISO 21003-3:2009 and UNE EN ISO
21003-5:2009 standard.

4. Purpose and range of application: **Multilayer piping systems for hot and cold
water installations, central radiator and underfloor heating**

5. Declared technical characteristics of building product:

a) Material, chemical composition, tolerances.

b) Oxygen permeability.

c) Effect on water confirm to AS/NZS 4020:2018 Testing of products for use

in contact with drinking water on appearance, cytotoxic activity, taste

d) System thermal cycling tested by 5,000 times cycling at 20°C with a duration of 15
minutes, at 95°C with a duration of 15 minutes.

e) According to UNE EN ISO 21003-1:2009, the System working Pressure
at 6 bar on working temperature 70°C in conditions as shown in Annex.

Technical Director
Han Jiaman



12/11/2025

Annex							
According to ISO21003, Pressure Design 10bar							
Application Class	Design temperature C	Lifespan at T(d) years	Tmax C	Lifespan at Tmax years	Tmal C	Time at Tmal hours	Application
1	60	49	80	1	95	100	Hot water supply(60 °C)
2	70	49	80	1	95	100	Hot water supply(70 C)
4	20	2.5	70	2.5	100	100	Underfloor Heating or low-temperature radiators
	40	20					
	60	25					
5	20	14	90	1	100	100	High-temperature radiators
	60	25					
	80	10					