

Multilayer pipe PERT / AL / PERT



MATERIAL SPECIFICATION

Polyethylene or raised temperature resistance (PE-RT) Dowlex 2388 Type II
Aluminium 8006 O - 8011 O

BRAND

SharkBite Multi-Layer

COLORS

White


DIMENSIONS & LENGHT mm

ø 16x2,0	100 - 200 m
ø 20x2,0	100 m
ø 25x2,5	50 m
ø 26x3,0	50 m
ø 32x3,0	25 m

FIELDS OF APLICACION



Drinking Water
Supply



Heating by
Radiators



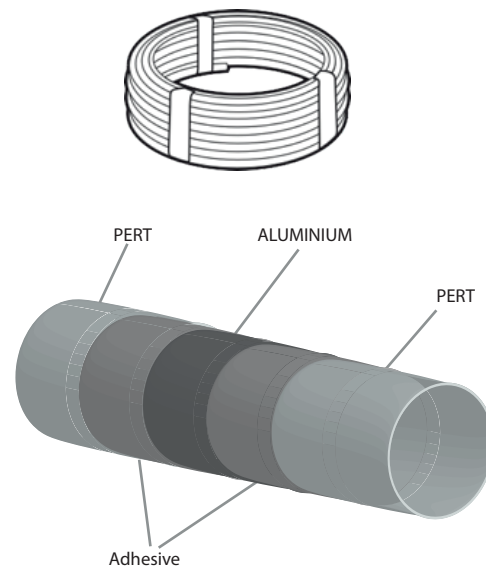
Sanitary Hot
Water



Cold Water
Supply



Underfloor Heating
& Cooling



Internal diámetro (mm)
Volume of liquid (l/m)
Max. temperature (°C)
Max. pressure (95° C)
Min. bending radius/ external spiral spring (mm)
Min. bending radius/internal spiral spring (mm)
Oxygen diffusion (mg/l)
Weight (kg/m)
Thickness of aluminium (mm)
Pressure at burst (bar)

ø 16x2,0	ø 20x2,0	ø 25x2,5	ø 26x3,0	ø 32x3,0
12	16	20	20	26
0,113	0,201	0,314	0,314	0,531
95	95	95	95	95
10 bar	10 bar	10 bar	10 bar	10 bar
5xd	5xd	5xd	5xd	5xd
3xd	3xd	3xd	3xd	3xd
0	0	0	0	0
0,105	0,129	0,254	0,261	0,390
0,20	0,20	0,30	0,30	0,30
72	68	71	68	65

Table 1 — Classification of service conditions

Application Class	Design Temperature T_D °C	Time t_D at T_D years	T_{max} °C	Time at T_{max} years	T_{mat} °C	Time at T_{mat} hours	Typical field of application
1 ^a	60	49	80	1	95	100	Hot water supply (60 °C)
2 ^a	70	49	80	1	95	100	Hot water supply (70 °C)
4 ^b	20 plus cumulative 40 plus cumulative 60	2,5 20 25	70	2,5	100	100	Underfloor heating and low temperature radiators
5 ^b	20 plus cumulative 60 plus cumulative 80	14 25 10	90	1	100	100	High temperature radiators

^a A country may select either class 1 or class 2 conform to its national regulations.

^b Where more than one design temperature for time and associated temperature appears for any class they should be aggregated. "Plus cumulative" in the table implies a temperature profile of the mentioned temperature over time (e.g. the design temperature profile for 50 years for class 5 is: 20 °C for 14 years followed by 60 °C for 25 years, 80 °C for 10 years, 90 °C for 1 year and 100 °C for 100h).

NOTE For values of T_D , T_{max} , and T_{mat} , in excess of those in the table, this standard does not apply.

Manufactured in conformity with the following international standards

ISO 21003. Multilayer piping systems for hot and cold water installations inside buildings.

EN 485-2. European standard that specifies the mechanical properties of wrought aluminium and wrought aluminium alloy sheet, strip and plate for general engineering applications.

All systems which satisfy the conditions specified in Table 1 shall also be suitable for conveyance of cold water for a period of 50 years at a temperature of 20 °C and a design pressure of 10 bar.