

## BetaSkin



- 1 PERT
- 2 Adhesive
- 3 Aluminium 0,2mm
- 4 Adhesive
- 5 PERT

### Description

BetaSkin is a full range of multilayer pipes with diameters from 14 to 32mm. They are constructed in PERT/Al, with a light aluminium core for more flexibility in pipe handling.

These pipes conform to EN ISO 21003 standards and are available in rolls, pre-insulated and protected in a corrugated conduit.

### Product features

- Available in sizes 14 to 32 mm
- 5 layers: heat resisting polyethylene / adhesive / aluminium / adhesive / heat resisting polyethylene
- Inner aluminium core longitudinally butt-welded for a homogenous wall thickness and a perfectly oxygen-tight pipe.
- Aluminium thickness: 0.2mm
- Available naked, corrugated, insulated (6mm thickness), and twin (two corrugated pipes together).

### Benefits

- Temperature and pressure resistant.
- Low heat expansion.
- Non-corrosive.
- Shape retaining.
- Wear resistant.
- Impermeable to oxygen.
- Light and easy to handle.
- Noise-reducing.

## Applications

### BetaSkin applications

BetaSkin is suitable for all heating and plumbing applications. The pipes can be used in new installations as well as for renovations. They can be concealed or exposed.

Application	Description	Operating temperature	System operating pressure
<b>Drinking water</b>	For drinking, hot and cold water systems.	+5°C to +95°C	10 bar
<b>Heating and cooling</b>	For heating systems, up to the pressure values indicated.	-10°C to +95°C	10 bar
<b>Rainwater</b>	For rainwater systems in buildings, up to the pressure values indicated.	-10°C to +95°C	10 bar
<b>Compressed air</b>	For compressed air systems for oil-free systems (with an oil filter fitted in front of the system).	-10°C to +70°C	10 bar

## Installation

### Pipe dimensions

Pipe diameter (mm)	14	16	18	20	26	32
Inner diameter (mm)	10.0	12.0	14.0	16.0	20.0	26.0
Wall thickness (mm)	2.0	2.0	2.0	2.0	3.0	3.0
Minimum manual bending radius / outer spring (mm)	5 x D	5 x D	5 x D	5 x D	10 x D	-
Minimum manual bending radius / inner spring (mm)	2 x D	2 x D	2 x D	2 x D	5 x D	5 x D
Weight (g/m)	920	105	125	140	260	350
Content (l/m)	0.079	0.113	0.154	0.201	0.314	0.531

### Corrugated pipe



Pipes running through floors, walls or ceilings should be protected with a sleeve. After assembly, it is also advisable to protect the pipes against damage caused by other work being done on the site. The corrugated protector is made of polyethylene. It is fully impermeable and can withstand temperatures from -5°C to 80°C as well as a standard load of 450 Newtons.

### Insulated pipe



Comap provides pipes with a round thermal insulating material. The extruded polyethylene foam protects the pipe against condensation, heat loss, expansion and noise transmission. Pipes should also be protected where they are grouped at high temperatures (floor heating effect).

*Quality standard: UNI and ISO 9002-94*

*Lambda value: 0.040W/mK at 40°C*

*Fire classification: 1-UNI 9177 and UNI 8457*

## Warranty & Certifications

Certifications:



BetaSkin pipes are free from material or workmanship defects for a 10 years period as from the date of sale.

This warranty is subject to conditions. To have the details of our warranty conditions please ask your Comap representative.