



GENERAL TECHNICAL SPECIFICATIONS



Unidelta manufactures a wide range of pipes for cold and hot water convey intended for domestic sanitary distribution, heating systems at both low temperatures (radiant panels) and high temperatures (radiators) as well as cooling systems and antifreeze and snowmelt systems.

Further, Unidelta offers an innovative multilayer pipe (PE-X/Al/PE-X) specifically developed for the supply of fuel gas.

The range includes:

PE-RT/Al/PE-RT pipes: FlexAll

PE-X/Al/PE-X pipes: DeltAll

PE-X/Al/PE-X pipes for gas: DeltAll-Gas

PE-X pipes: UniTerm, TriTerm

PE-RT pipes: UniPert and MultiPert Plus.

PE-RT/Al/PE-RT

FlexAll is a multilayer pipe composed of 5 layers: the internal one made of PE-RT, one adhesive layer, one Stark aluminium layer, another adhesive layer and a further layer made of PE-RT as the external layer. Both the external layer and the internal layer are made of PE-RT of type II.

The main technical features of the FlexAll pipe are the following:

Maximum temperature 95°C

Maximum pressure 10 bar.

The range includes:

FlexAll. Bare pipe supplied in coils and bars.

FlexAll-Iso. FlexAll pipe is also available as an insulated pipe. The coating is made of polyethylene foam externally finished with a white, red and blue for heating and sanitary systems, green for air-conditioning and cooling systems.

FlexAll-Pipe in Pipe. FlexAll pipe is also available in pipe-in-pipe version. The pipe is inserted into a suitably dimensioned sheath (red or blue corrugated pipe). This solution permits to replace quickly and easily damaged pipes, without requiring any major intervention in the brickwork.

PE-X/Al/PE-X

DeltAll is a multilayer pipe composed of 5 layers: the internal one made of cross-linked polyethylene (PE-Xb), one adhesive layer, one Stark aluminium layer, another adhesive layer and a further layer made of cross-linked polyethylene (PE-Xb) as the external layer.

The main technical features of DeltAll pipe are the following:

Maximum temperature 95°C

Maximum pressure 10 bar.

The range includes:

DeltAll. Bare pipe supplied in coils and bars.

DeltAll-Iso. DeltAll pipe supplied in insulated version. The coating is made of polyethylene foam externally finished with an extruded film: blue or red for heating and sanitary systems.

PE-X/Al/PE-X GAS

DeltAll GAS is a multilayer pipe suitable for the supply of gas according to the Italian standard UNI 11344. This pipe is composed of 5 layers: one internal layer made of cross-linked polyethylene (PE-Xb), one adhesive layer, one Stark aluminium layer, another adhesive layer and a further layer made of yellow cross-linked polyethylene (PE-Xb) as the external layer.

The range includes:

DeltAll-Gas. Yellow bare pipe supplied in coils.

DeltAll-Gas-Pipe in Pipe. The DeltAll Gas pipe is also available with external corrugated protective sheath.

PE-X

Unidelta manufactures pipes cross-linked polyethylene (PE-Xb, silane method) pipes, whose main features are:

Maximum temperature 95°C

Maximum pressure 6 to 10 bar depending on the pipe size.

The range includes:

UniTerm. Black or white monolayer cross-linked polyethylene pipe.

UniTerm Pipe in Pipe. UniTerm pipe made of cross-linked polyethylene inserted into a corrugated sheath. The available sheaths are red, blue or black.

TriTerm. 3-layer pipe made of cross-linked polyethylene with external EVOH oxygen barrier. The pipe can be red or white.

PE-RT

Unidelta PER-RT pipes are made of PE-RT of type II.

Unidelta PE-RT pipes shall be used at an operating temperature up to 70°C and their excellent flexibility makes them extremely easy to bend. Due to these characteristics, they are mainly installed in radiant heating and cooling systems.

The range includes:

UniPert. white monolayer PE-RT pipe.

MultiPert Plus. 5-layer pipe made of PE-RT with oxygen barrier. The pipe is red.