PRODUCT DATA SHEET

PERT-AL-PERT Insulated Pipe

PERT/AL/PERT INSULATED PIPE

Multilayer pipe with thermal insulation layer for heating systems. It comes in different colors to differentiate impulsion and return.

CHARACTERISTICS OF THE MULTILAYER PIPE

Fittings Estándar's PEXa insulated pipe complies with the Regulations of Thermal Installations in Buildings (RITE) and in the following cases:

- Temperature is lower than ambient temperature of the place through which they pass.
- Temperature is higher then 40°C when they are intalled in non-heated premises, such as corridors, galleries, slipways, parking lots, manufacturing halls, suspended ceilings, raised floor, understood as excluded the pipe of cooling towers and discharge pipe of coolling compressors, except when they are within the reach of the people.

CHARACTERISTICS OF THE INSULATION

The characteristics of the insulation are as follows:

- Material: Synthetic rubber-based elastomeric foam.
- Application: thermal insulation that complies with the Regulationa of Thermal Installations in Buildings (RITE)
- Colour: grey, blue and red
- Working temperature: up to 105 °C.
- Thermal conductivity of the insulation at room temperature ≤0,038 W/mxK.
- Insulation thickness: 6 mm (Ø 16, Ø 20)
- Insulation thickness: 7 mm (Ø 25, Ø 32)
- Health standard: odour-free
- Acoustics: acoustic protection, reducing the noise in plumbing installations.

EUROPEAN LEGISLATION CRITERIA FOR PLASTIC PIPES

For protection against condensation in many applications, it does not require insulation given its low thermal conductivity (PE: 0,40 W/m °C).

To reduce the risks of freezing or excessive heat loss, minimal insulation would be sufficient.

PROTECTION AGAINST U.V. RADIATION

Greater resistance to the direct incidence of solar radiation than PEX and its properties diminish less. But for its correct functioning over time it is recommendable to isolate it.

MINIMUM RECOMMENDED INSULATION

It is recommended to carry out a thermal insulation study for each case, using the alternative method according to the RITE regulations.