

CaloXPert®

Specification sheet

CaloXPert is a software of expertise of thermal insulation. It allows to select the best insulation of technical equipments storing or transporting cold or warm fluids, such as pipings or reservoirs.

It has a base of knowledge of materials (insulations, covers) used in insulation, updated regularly.

It implements various types of calculations, following the wished objective : calculation of heat flow, calculation of thickness of insulations or calculation of temperature. Later, it will arrange all the types of known calculations.

This software participates in the sustainable development by proposing thrifty solutions in CO₂.

This software is already the repository of the thermal insulation in France.

List of the types of calculations proposed by CaloXPert (ISO 12241 and VDI 2055)

Current calculations		In development
Heat flow of pipings isolated Thicknesses of insulation of pipings Anti-freeze protection of isolated pipings Fall of temperatures of isolated pipings Heat flow of bare pipings Properties of the wet air	Heat flow of flat isolated vessel Thicknesses of insulation of flat vessel Cooling of capacities Heat flow of bare flat vessel Emissions of carbon and carbon dioxide	Underground pipings Economic thickness of insulation Calculations on fluid network

Base of knowledge	Data base
Generic (standard DIN 4140 and CINI) and mark insulations : conductivities, thicknesses. Covers: emissivities. Sources of energy: emissions of CO ₂ .	Saving of the calculations. Grouping of the calculations in project, for a customer demand.

Configuration	Characteristics
Microcomputer with Windows (2000, NT, XP, Vista) Monoposts or multipost configuration, following option	Export of the results towards Microsoft Office, Open Office or PDF

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