



Schematic representation - wall panel Lindner Thermowall Type 1

## Description

The Lindner Thermowall was specially developed for use in operating and clean rooms. For heating or cooling purposes, heat conducting profiles made of aluminium and copper tube meanders are mounted on the rear side of the planking, through which heating or cooling water can be fed. This ensures a virtually loss-free transfer of heat energy.

The advantage of this system is that heating or cooling surfaces can be flexibly integrated into rooms. Due to the continuous smooth and closed surface, the system is preferable to a radiator from a hygienic point of view.

## Technical data

Dimensions	project-oriented production
Standard width (dim. between axes)	1200 mm
Partition heights	up to 3500 mm
Joint width between elements	4 to 8 mm (4 mm standard)
Connection of heating and cooling technology	The active wall panels can be connected parallelly or in series up to a pressure loss of approx. 30 kPa. Connection to the distributor pipe by means of plastic pipes.
Heating and cooling capacity	<p><u>LVT wall panel made of powder coated sheet steel, with gypsum fire board inlay:</u></p> <p>Nominal heating capacity (15 K) approx. 73 W/m<sup>2</sup>  Nominal heating capacity (29,5 K) approx. 144 W/m<sup>2</sup></p> <p><b>According to DIN EN 1264-2, the temperature differences for determining the nominal heating capacity are derived from the heating medium temperature and the room temperature.</b></p> <p>Nominal cooling capacity accord. to DIN EN 14240 (10K) approx. 40,0 – 60,0 W/m<sup>2</sup></p> <p><b>Note: Bright stainless steel surfaces create other heating and cooling capacities.</b></p>
Fire protection	Metal partition wall element, building material class A2 accord. to DIN EN 13501-1

