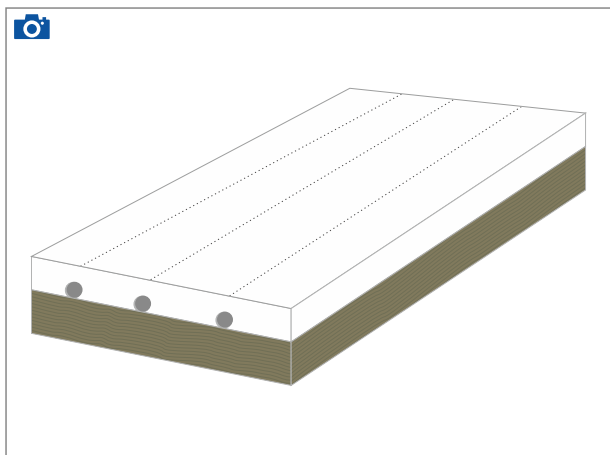


**A1**

Prefabricated radiant panel, suitable for environments subject to reaction to FIRE REGULATIONS CLASS A1. It consists of a glass-fibre reinforced plasterboard sheet with 15 mm low calorific value paper covering on both sides, a 50 mm thick layer of rock wool insulation and snail layout with PE-XC pipes  $\varnothing 8 \times 1$  mm with oxygen-barrier up to 5 cm pipe spacing. It guarantees an excellent acoustic insulation.

**APPLICATION FIELD**

RESIDENTIAL SECTOR

INDUSTRIAL SECTOR

TERTIARY SECTOR

**TYPE OF LYING**

CEILING

SUSPENDED CEILING

WALL

## DATE AND TOLERANCES

<b>PLASTERBOARD TYPE</b>	F-Type sheet consisting of an increased high temperature cohesion of the core, glass-fibre reinforced to enable the resistance to fire performance. Fire-reaction Class A1 is guaranteed.
<b>PANEL THICKNESS</b>	45 mm
<b>PLASTERBOARD THICKNESS</b>	15 mm
<b>INSULATION THICKNESS</b>	30 mm
<b>EXPANDED POLYSTYRENE DENSITY</b>	40 kg/m <sup>3</sup> EN 1602
<b>INSULATING THERMAL CONDUCTIVITY (<math>\lambda_0</math>)</b>	w/mk 0,037
<b>SHEET THERMAL CONDUCTIVITY (<math>\lambda_0</math>)</b>	w/mk 0,25
<b>PIPE DIAMETER</b>	8 mm
<b>PIPE MATERIAL</b>	PE-XC with oxygen-barrier
<b>PIPE SPACING</b>	50 mm
<b>PIPE LAYOUT</b>	Snail
<b>CLASS OF REACTION TO FIRE</b>	A1 (B)
<b>LONGITUDINAL EDGE</b>	Thin
<b>LEADING EDGE</b>	Straight
<b>TOLERANCE</b>	$\pm 0,5$
<b>OPERATING TEMPERATURE</b>	Heating: 27-32 °C    Cooling: 15-20 °C

## TECHNICAL DATA

Length (mm)	Width (mm)	Thickness (mm)	Weight (kg)	Circuit length (mt)	Water content (kg)	Packages (sqm)
2000	600	45	14	19.4	0.9	60
2000	1200	45	29	41	1.8	60
1000	1200	45	14	19.5	0.9	60
500	1200	45	7	9.1	0.4	60