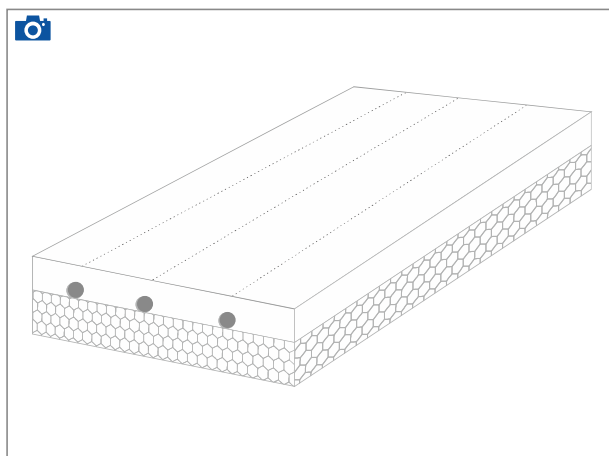


## DURAD

Special prefabricated radiant panel with glass and wood fibre additives that provide the product with a high degree of surface HARDNESS, mechanical strength, moisture resistance and fire protection; consisting of a 15 mm thick gypsum board, paired with a 30 mm insulation of expanded polystyrene EPS 150 and PE-RT pipe 8x1 mm with EVAL oxygen barrier in spiral circuit with a spacing of 50 mm.



### APPLICATION FIELD

RESIDENTIAL

INDUSTRIAL

TIMBER COSTRUCTION

### INSTALLATION TYPE

CEILING

FALSE CEILING

WALL

### DATA AND TOLERANCES

<b>PLASTERBOARD TYPE</b>	Special board type with increased core density, whose gypsum is additionally added with glass and wood fibres to obtain high surface hardness and mechanical strength. Plasterboard type H1 with reduced water absorption rate, suitable in high humidity environments and plasterboard type f with high fire resistance.	
<b>PANEL THICKNESS</b>	45 mm	
<b>PLASTERBOARD THICKNESS</b>	15 mm	
<b>INSULATION THICKNESS</b>	30 mm	
<b>POLYSTYRENE DENSITY</b>	30 kg/m <sup>3</sup>	
<b>INSULATION THERMAL CONDUCTIVITY (<math>\lambda_0</math>)</b>	w/mk 0,033	
<b>BOARD THERMAL CONDUCTIVITY (<math>\lambda_0</math>)</b>	w/mk 0,25	
<b>PIPE DIAMETER</b>	8 mm	
<b>PIPE MATERIAL</b>	PE-RT with EVAL oxygen barrier	
<b>LAYING SPACING</b>	50 mm	
<b>LAYING FORM</b>	Spiral	
<b>REACTION TO FIRE CLASSIFICATION</b>	A1 (B)	
<b>LONGITUDINAL EDGE</b>	Thin	
<b>HEAD EDGE</b>	Straight	
<b>TOLERANCE</b>	± 0,5	
<b>OPERATING TEMPERATURE</b>	Heating 27-32 °C	Cooling 15-20 °C

### TECHNICAL DETAILS

Lenght (mm)	Width (mm)	Thickness (mm)	Weight (kg)	Circuit lenght (mt)	Water content (kg)	Packages (mq)
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