

# POLIISO AIR OUTDOOR GL400

Code: PAIR30GL400



**POLIISO® AIR OUTDOOR GL400** is a sandwich panel made of rigid closed cell polyiso foam (polyurethane foam), yellow color, coated between a 200 µm embossed aluminum facing and a 200 µm smooth aluminum facing.

Panels has standard size 1200 x 4000 mm and are available in thickness of 30,5 mm.

**APPLICATIONS WITH POLIISO® AIR OUTDOOR GL400: Costruction of pre-insulated aluminum ducts for air distribution**

CHARACTERISTIC	STANDARD	UNIT	VALUES
Thickness	EN 823	mm	30,5
Thickness tolerance	EN 823	mm	± 0,5
Lenght	EN 822	mm	4000
Width	EN 822	mm	1200
Width tolerance	EN 822	mm	± 3
Lenght tolerance	EN 822	mm	± 5
Squaring	EN 824	mm/m	1
Density		kg/m <sup>3</sup>	50 ± 5%
Specific heat		J/kgK	1500
Initial thermal conductivity ( $\lambda_i$ )	EN 12667	W/mK	0,020
Compressive stress at 10% deformation	EN 826	kPa	≥ 200
Dimensional stability at 70±2 °C, 90±5 % UR, 48±1 h Thickness change Change in length and width	EN 1604	% %	≤ 4 ≤ 1
Dimensional stability at -20±3 °C, 48±1 h Thickness change Change in length and width	EN 1604	% %	≤ 2 ≤ 0,5
Water absorption by immersion (28 days)	EN 12087	Vol %	≤ 1
Water vapour diffusion resistance factor ( $\mu$ )	EN 12086		∞
Reaction to fire	DM 26/06/84	Class	0-1
Temperature range of application		°C	- 30 / + 65