

AIR BUILD

AP X ODM

TECHNICAL DATA SHEET



DESCRIPTION

The sandwich panel features, on both external side, a Magnesium Oxide (MgO) sheet with a thickness of approximately 3, 4, or 6 mm, offering superior fire resistance with a Euroclass A1 fire reaction rating. The core of the panel consists of XPS (Extruded Polystyrene), which ensures excellent thermal insulation and is classified as Euroclass E for fire reaction.

APPLICATION

Suitable for creating partitions. Support for finishing materials like kitchen counter tops, components for bathroom furnitures. Support for floor coverings.

PROPERTIES

The panel combines good thermal resistance with breathability, delivering excellent performance in the construction of both internal and external insulation systems with low environmental impact. It also offers outstanding water resistance, ease of machining and installation, and ensures excellent dimensional stability and flatness. These features are further enhanced by its high UV resistance, making the panel ideal for a wide range of sustainable building applications.

PANEL COMPOSITION

First face layer: Magnesium oxide board (3/4/6 mm. thickness) in A1 fire reaction.

Second face layer: Magnesium oxide board (3/4/6 mm. thickness) in A1 fire reaction.

Core: Extruded Polystyrene (XPS) with Euroclasse E fire reaction.

DIMENSIONS

Length 2500 mm 3000 mm

Width 1200 mm 1200 mm

Thickness mm. 20; 30; 40; 50; 60; 70; 80; 90; 100; 110;

Other sizes on request

PROPERTIES

Thickness	Thermal Transmittance (W/m2k)			Weight (Kg/m2)			Quantity per pallet
MGO Thickness mm	3	4	6	3	4	6	
20	1,69	1,85	2,26	6,90	8,80	12,90	30
30	1,14	1,21	1,37	7,20	9,10	13,20	30
40	0,86	0,90	0,99	7,50	9,40	13,50	30
50	0,69	0,71	0,77	7,80	9,70	13,80	25
60	0,57	0,59	0,63	8,10	10,00	14,10	20
70	0,49	0,51	0,53	8,40	10,30	14,40	16
80	0,43	0,44	0,47	8,70	10,60	14,70	14
90	0,38	0,40	0,41	9,00	10,90	15,00	13
100	0,35	0,36	0,38	9,30	11,20	15,30	12
110	0,31	0,33	0,33	9,60	11,50	15,60	10

Storage: cool and dry, protect against sunlight..

The above technical data represent average values. The technical information and application instructions are based on our current knowledge and expertise. However, it is the responsibility of each user to conduct trials with the original substrates in order to evaluate the suitability of our goods for the intended purpose, taking into consideration all application related parameters. If you have any further questions, please contact us.