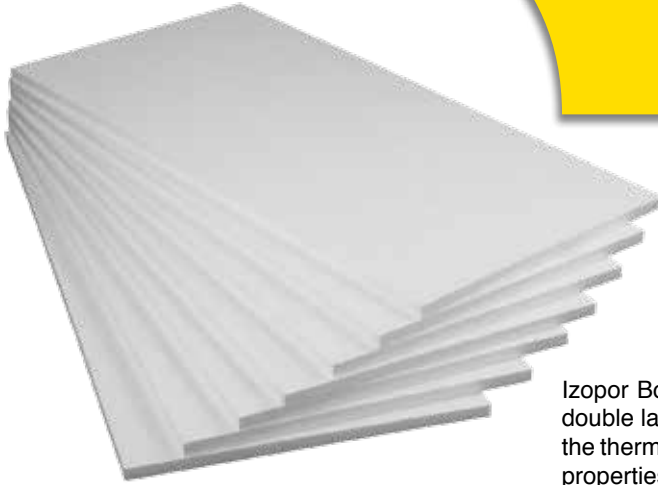


IZOPOR BOARD



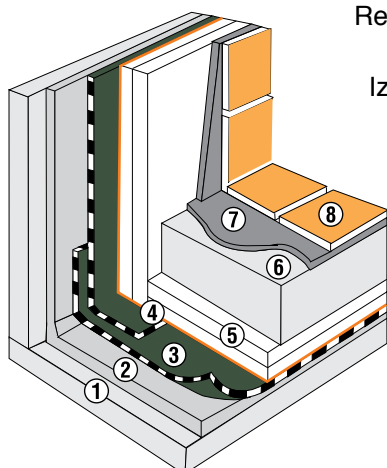
Izopor Board is an expanded polystyrene board that is used in cavity walls, at double layer sandwich wall panels for thermal insulation purposes. It is used for the thermal insulation of cold storage rooms as well owing to its thermal insulation properties and that it can be used at lower temperatures. It is manufactured as blocks and cut into the required size by heated parallel wires.

Application

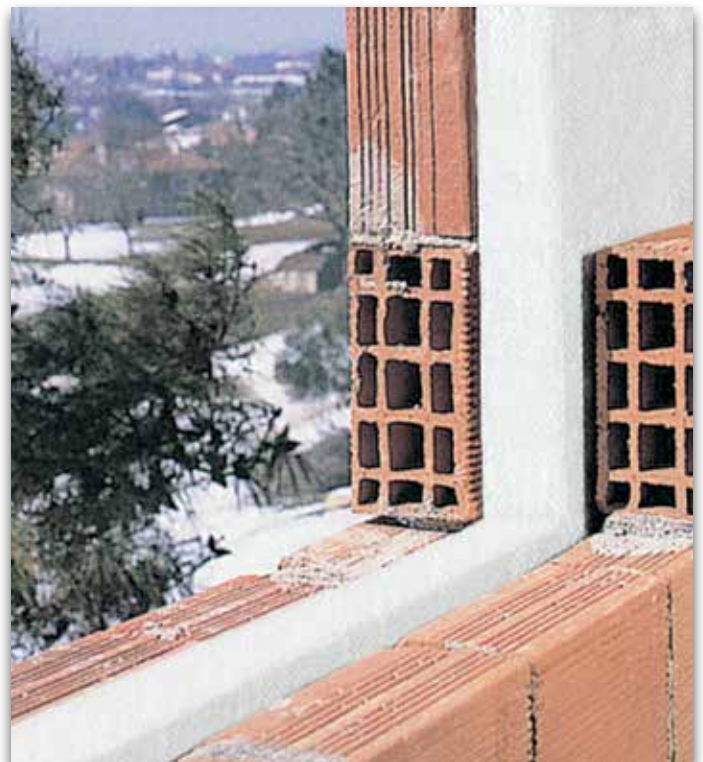
Wall Board is applied loose in between two wall components such as bricks, AAC blocks, concrete blocks at the facades. In this application, known as cavity wall or sandwich wall insulation, two wall components should be connected to each other with special fasteners at certain intervals. Building physics conditions should be reached for the insulation of cold storage rooms. The most important aspect to be considered is that the vapour barrier should definitely be on the side facing the warmer area. Vapour barrier material is adhered to the inner side of the ceiling and the wall. Izopor boards are fastened on top of that. Cement based prime plaster, glass cloth reinforcing mesh and prime plaster are applied on the boards. The application is completed by wall coating.

For the slabs, trowel coating or levelling screed is applied on existing reinforced concrete slab surface. After vapour barrier is laid down, Izopor Boards are laid loose in a manner that no gap is left at the joints. Consequently, 5 cm reinforced screed with minimum dosage (500) is applied on the Izopor Boards and then the application is completed with the desired floor covering.

Thickness (cm)	Width x Length (cm)	Package (m ²)
2	50 x 100	12,00
2,5	50 x 100	9,50
3	50 x 100	8,00
4	50 x 100	6,00
5	50 x 100	5,00
6	50 x 100	4,00
7	50 x 100	3,50
8	50 x 100	3,00
10	50 x 100	2,50



- Reinforced concrete slab ①
- Levelling screed ②
- Izoplan PVC foundation waterproofing ③
- Filter element ④
- Izopor board ⑤
- Reinforced concrete slab ⑥
- Fixing mortar ⑦
- Flooring cover ⑧



- Thermal insulation
- Easy to apply
- Lightweight



TECHNICAL DATA SHEET

izocam Izopor Board

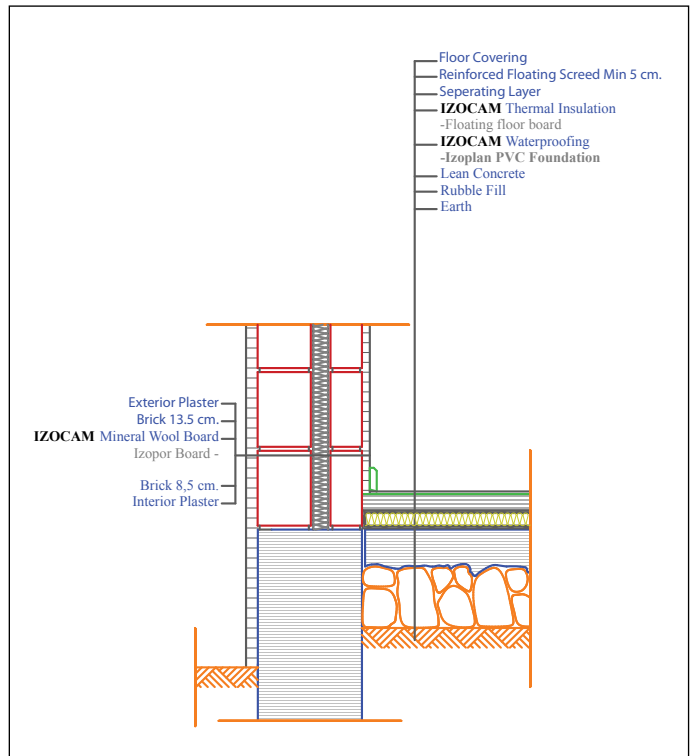
Properties	Symbol	Unit	Description											Tolerance	Standard		
Material	-	-	Expanded Polystyrene												TS EN 13163		
Width	w	mm	500											(W3) *	TS EN 822		
Length	l	mm	1000											(L3) *	TS EN 822		
Thickness	t	mm	10 - 20 - 30 - 40 - 50 - 60 - 70 - 80 - 90 - 100											± 2 mm (T2)	TS EN 823		
Reaction to fire	-	-	E											-	TS EN 13501-1		
Squareness	S _b	mm/m	S5											± 5	TS EN 824		
Flatness	S _{max}	mm	P10											10	TS EN 825		
Density	ρ	kg/m ³	10	12	14	16	18	20	22	24	26	28	30	-1	-		
Declared Thermal Conductivity (10 °C)	λ _D	W/m.K	0,045	0,042	0,040	0,039	0,037	0,036	0,035	0,035	0,034	0,034	0,033	-	TS EN 13163		
Bending Strength	-	kPa	50		75	100	125	135	150	170	200			-	TS EN 12089		
Compressive Strength	σ ₁₀	kPa	-	30	50	60	80	90	100	120	150			-	TS EN 826		
Water Absorption by Total Immersion	W _{lt}	%	WL(T)1,5		WL(T)2,5					WL(T)3,5				≤%1,5	≤%2,5	≤%3,5	TS EN 12087
Dimensional Stability Under Specified Temp. and Humidity Conditions	Δε _t , Δε _b , Δε _d	%	DS(70,90)1											≤ % 1,0	TS EN 1604		
Packaging Material	-	-	PE Film											-	-		
Other Information																	

* ± 0,6% or ±3 mm. Whichever given the greatest numerical tolerance.

Safety Reminders for Loading, Unloading, Shipping and Storing

- These operations should be done indoors in case of rainy weather conditions.
- Loading and unloading should be done by (at least) two people.
- The packages should be put on top of each other with extra care.
- Only backshutter of the truck body should be opened during unloading.
- Unloading should be carried out from backside to the front.
- The products should be wrapped by a waterproof cover even if the shipping distance is short.
- Products should not be put into upright position during shipping and storing.
- Storing can be carried out by superposing the products with or without pallets.
- Products should not be pulled by their package.
- Products should not be stepped on and should not be used as steps.
- The packages should be put on the floor with extra care so the corners of the product especially is not damaged by a hit.
- Precautions should be taken against sun, rain and exposed flame.
- When the packages piled in the truck body are being tied up hard padding (wood, cardboard, etc.) should be put on the corners of the packages to protect them against possible damages by ropes.
- Products should be stored in their packages until the application.
- The packages should not be stacked too close to each other by force in order to gain space.

Izocam is not responsible for any problem because of misprinting. Izocam, the manufacturer, reserves the right to alter product specifications without prior notice. Izocam also manufactures special products upon request. For your requirements, you are requested to contact our Export Department.



ENEPSIL2015/06