



FOAMBOARD 1500 D

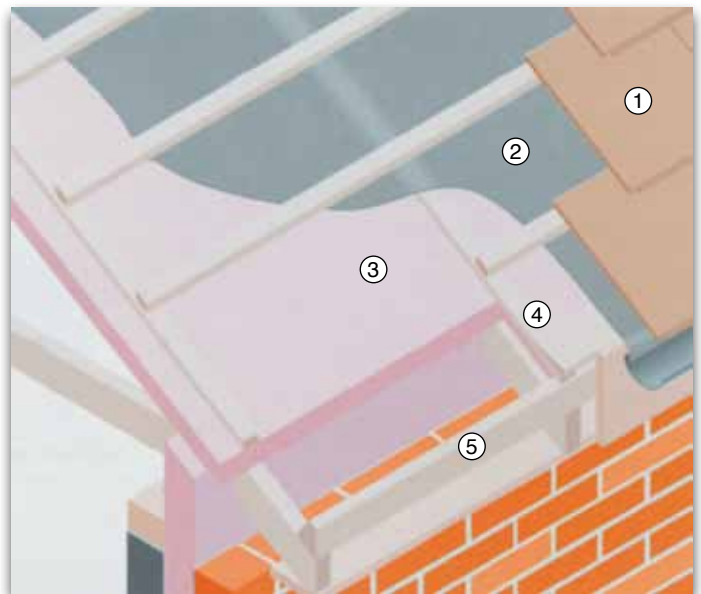


These are extruded polystyrene boards with skin surface. They are used for the thermal insulation of inclined roofs with utilized attics.

Application

Foamboard 1500 D thermal insulation boards are applied on rafters. Every type of roof cladding can be utilized in this application which is carried out without using any roof board. End strip and thermal insulation board to be used should have the same thickness. End strip is fastened to the edges of the rafters with nails along the eave. The boards are laid over the rafters at right angle starting from the end strip to the roof ridge. Care should be taken to adjust the edges properly. Then cover strips are nailed to the boards that sit on the rafters. Consequently, a vapour permeable water proofing membrane is laid over from the eave to the ridge with overlaps. Tile fastening strip which are placed vertical to the cover strips, are nailed on to the cover strips. The application is completed by fixing roofing tiles to the tile fastening strips.

Thickness (cm)	Width x Length (cm)	Package (m ²)	Package (m ³)
2	60 x 125	15	0,3000
2,5	60 x 125	12	0,3000
3	60 x 125	10,5	0,3150
4	60 x 125	7,5	0,3000
5	60 x 125	6	0,3000
6	60 x 125	5,25	0,3150
7	60 x 125	4,50	0,3150
8	60 x 125	3,75	0,3000
9	60 x 125	3,75	0,3375
10	60 x 125	3	0,3000



- ① Roof cladding (roofing tiles, shingles, etc.)
- ② Vapour permeable water proofing membrane
- ③ Izocam Foamboard 1500 D
- ④ Cover strip
- ⑤ End strip



- High compressive strength
- High thermal insulation
- Easy to install
- Available in different sizes
- Lightweight
- Water impermeable



TECHNICAL DATA SHEET

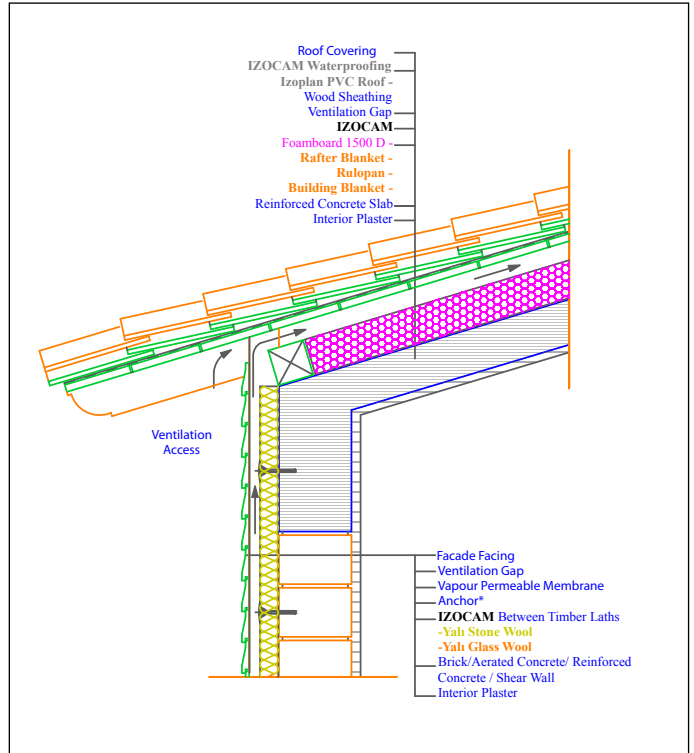
İzocam Foamboard 1500 D

Properties	Symbol	Unit	Description								Tolerance	Standard		
Material	-	-	Extruded Polystyrene								-	TS EN 13164		
Edge Profile	-	-	Square, Ship-lap								-	-		
Surface Shape	-	-	Skin								-	-		
Density	ρ	kg/m ³	min. 25	min. 24	min. 22			min. 23		min. 30		-	-	
Width x Length	W x L	mm	600 x 1250								if < 1000 ; ± 8 mm if ≥ 1000 ; + 10 mm	TS EN 822		
Thickness	t	mm	20	25	30	40	50	60	70	80	90	100	T1 / T2 / T3	TS EN 823
Reaction to fire	-	-	E								-	TS EN 13501-1		
Thermal Resistance	R _D	m ² .K/W	0,55	0,70	0,85	1,10	1,40	1,70	2,00	2,25	2,55	2,85	-	TS EN 13164
Declared Thermal Conductivity (10 °C)	λ_D	W/m.K	0,035								-	TS EN 13164		
Water Vapor Diffusion Resistance Coefficient	μ	-	100								MU100	TS EN 12086		
Tensile Strength Perpendicular to Faces	TR	kPa	≥ 200								TR200	TS EN 1607		
Dimensional Stability Under Specified Thermal and Compressive Load Conditions	-	%	≤ 5								DLT(1)5 DLT(2)5	TS EN 1605		
Dimensional Stability Under Specified Thermal and Humidity Conditions	-	%	≤ 5 (at 70±2°C after 48 hours) ≤ 5 (at 70±2°C 90±5% relative humidity after 48) ≤ 2 (at 23±2°C 90±5% relative humidity after 48)								DS(T+)5 DS(TH)5 -	TS EN 1604		
Compressive Strength	σ_{10}	kPa	≥ 150 (10 % deformation)								CS(10/Y)100	TS EN 826		
Compressive Creep	σ_c	kPa	10								CC(2/1,5/10)10	TS EN 1606		
Freeze Thaw Resistance	FT	%	≤ 1								FT2	TS EN 12091		
Long Term Water Absorption with Total Immersion	WL(T)	%	≤ 0,7								WL(T)0,7	TS EN 12087		
Long Term Water Absorption with Diffusion	WD(V)	%	≤ 3								WD(V)3	TS EN 12088		
Linear Shrinkage	-	mm/m K	≤ 0,07								-	-		
Capilarity	-	-	None								-	-		
Packaging Material	-	-	PE Film								-	-		
Other Information	There is no ship-lap in 20 mm thickness.													

Safety Reminders for Loading, Unloading, Shipping and Storing

- Loading and unloading should be done by (at least) two people.
- Products 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.
- Products should not be put into upright position during shipping and storing.
- Products should not be pulled by their package.
- The products should not be stepped on.
- The packages should be put on the floor with extra care so the corners of the product especially is not damaged by a hit.
- Products can be stored with or without pallets by superposing the packages.
- Products should not be shipped with the materials containing organic solvents (thinner, paint, fuel oil, acetone, etc.).
- Combustible, flammable, hazardous materials should not be stored in storage area and there should be fire extinguishing equipment available.

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FOAMBOARD

2000 D - 2500 D

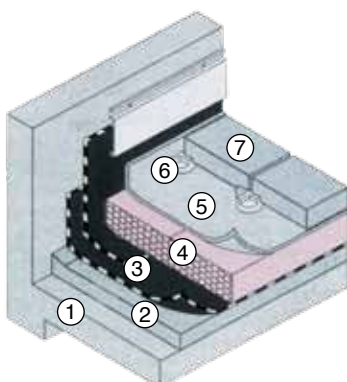


Foamboard 2000 D – 2500 D is an extruded polystyrene boards with skin surface. They are used on water proofing membrane for the thermal insulation of flat roofs.

Application

The membrane (bituminous, pvc, tpo, ect.) forming water and vapour proofing is rolled out on existing levelling concrete. Foamboard boards of 2000 D – 2500 D are laid together without applying adhesive so that the joints are adjusted. Filter element and cover that serves as separator felt are laid on the boards. For the inaccessible flat roofs, a layer of washed round light-coloured gravel is placed on top of the separator cover in order to put weight and to reflect sun rays. For the accessible flat roofs, precast tiles (concrete, wood, etc.) are placed resting on plastic wedges. If desired, floor coverings applied with sand or grout can be used as well. For the garden flat roofs, the layers including gravel are applied like the inaccessible flat roof. Filter element and plant soil are laid out on the gravel to finish off the process.

Thickness (cm)	Width x Length (cm)	Package (m ²)	Package (m ³)
2	60 x 125	15	0,3000
2,5	60 x 125	12	0,3000
3	60 x 125	10,5	0,3150
4	60 x 125	7,5	0,3000
5	60 x 125	6	0,3000
6	60 x 125	5,25	0,3150
7	60 x 125	4,50	0,3150
8	60 x 125	3,75	0,3000
9	60 x 125	3,75	0,3375
10	60 x 125	3	0,3000



- Reinforced concrete slab ①
- Levelling concrete ②
- Waterproofing ③
- Foamboard ④
- Filter element ⑤
- Plastic wedge ⑥
- Floor covering ⑦

- High compressive strength
- High thermal insulation
- Water impermeable



TECHNICAL DATA SHEET

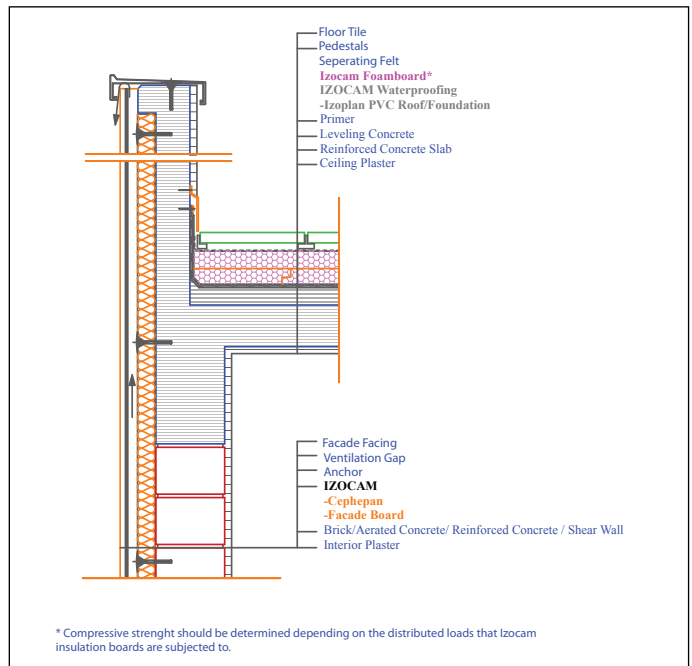
izocam Foamboard 2000 D - 2500 D

Properties	Symbol	Unit	Description										Tolerance	Standard
Material Type	-	-	2000 D					2500 D					-	-
Material	-	-	Extruded Polystyrene										-	TS EN 13164
Edge Profile	-	-	Square, Ship-lap										-	-
Surface Shape	-	-	Skin										-	-
Density	ρ	kg/m ³	min. 29/33	min. 27/31	min. 26/30	min. 26/28					min. 30	-	-	
Width x Length	W x L	mm	600 x 1250										if < 1000 ; ± 8 mm if ≥ 1000 ; + 10 mm	TS EN 822
Thickness	t	mm	20	25	30	40	50	60	70	80	90	100	T1 / T2 / T3	TS EN 823
Reaction to fire	-	-	E										-	TS EN 13501-1
Thermal Resistance	R _D	m ² .K/W	0,55	0,70	0,85	1,10	1,40	1,70	2,00	2,25	2,55	2,85		TS11989 EN13164 Ek C
Declared Thermal Conductivity (10 °C)	λ_D	W/m.K	0,035										-	TS EN 13164
Water Vapor Diffusion Resistance Coefficient	μ	-	100										MU100	TS EN 12086
Tensile Strength Perpendicular to Faces	TR	kPa	≥ 200					≥ 400					TR200 / TR400	TS EN 1607
Dimensional Stability Under Specified Thermal and Compressive Load Conditions	-	%	≤ 5										DLT(1)5 DLT(2)5	TS EN 1605
Dimensional Stability Under Specified Thermal and Humidity Conditions	-	%	≤ 5 (at 70±2°C after 48 hours) ≤ 5 (at 70±2°C 90±5% relative humidity after 48) ≤ 2 (at 23±2°C 90±5% relative humidity after 48)										DS(T+5) DS(TH)5 -	TS EN 1604
Compressive Strength (10 % Deformation)	σ_{10}	kPa	≥ 200					≥ 250					CS(10/Y)250	TS EN 826
Compressive Creep	σ_c	kPa	10										CC(2/1,5/10)10	TS EN 1606
Freeze Thaw Resistance	FT	%	≤ 1										FT2	TS EN 12091
Long Term Water Absorption with Total Immersion	WL(T)	%	≤ 0,7										WL(T)0,7	TS EN 12087
Long Term Water Absorption with Diffusion	WD(V)	%	≤ 3										WD(V)3	TS EN 12088
Linear Shrinkage	-	mm/m K	≤ 0,07										-	-
Capilarity	-	-	None										-	-
Packaging Material	-	-	PE Film										-	-
Other Information	There is no ship-lap in 20 mm thickness.													

Safety Reminders for Loading, Unloading, Shipping and Storing

- 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.
- Products should not be put into upright position during shipping and storing.
- Products should not be pulled by their package.
- Products should not be stepped on.
- The packages should be put on the floor with extra care so the corners of the product especially is not damaged by a hit.
- Storing can be carried out by superposing the products with or without pallets.
- Products should not be shipped with the materials containing organic solvents (thinner, paint, fuel oil, acetone, etc.).
- Combustible, flammable, hazardous materials should not be stored in storage area and there should be fire extinguishing equipment available.

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MANTO FOAMBOARD



Manto Foamboard is an extruded polystyrene board that is produced specially in order to use for external thermal insulation composite systems. It has high insulation property and vapour diffusion resistance.

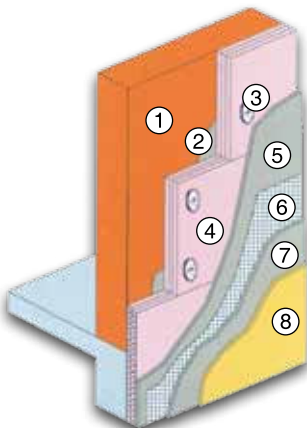
Application

First of all, the surface to be used in the application should be checked to ensure that it is smooth and dry. If the surface is rough and with scrapes, it should be cleaned by brushing. Unevenness, major defects and cracks should be repaired by means of plaster. For wood surfaces acrylic based mortar, for the other surfaces cement based fixing mortar is used. Shortly after spreading fixing mortar over the boards, they are adhered to the wall surface so that there is no gap left between the seams. The boards are laid down in an alternating pattern at the facades and the corners. When the fixing mortar is completely dry (approximately after 24 hours) the anchoring process can be started. Special insulation fastening anchors are used which are chosen with respect to the wall properties. Tiled surfaces or surfaces with old plaster are not suitable for anchoring. After anchoring process reinforced layer is formed. Cement based undercoat plaster is applied to the surface by trowel. Afterwards, an alkali resistant, glass fiber based reinforcement mesh is placed on top by trowel in such a manner that the edges are overlapped by 10 cm. Consequently, second coat plaster is applied on the mesh and the reinforced layer comes to an end. When the reinforced layer is completely dry; permeable, solvent-free decorative cladding material with the desired texture is applied to the reinforced layer using a trowel or roller and the process is completed. Exterior cladding thickness and the quantity to be applied depend on the plaster type. Different surface forms can be achieved on the finishing plaster by different polishing methods.

For detailed information visit; www.ttmanto.com
www.terrathermmanto.com.tr



Thickness (mm)	Width x Length (mm)	Package (m ²)
30	600 x 1250	10,50
40	600 x 1250	7,50
50	600 x 1250	6,00
60	600 x 1250	5,25
70	600 x 1250	4,50
80	600 x 1250	3,75
100	600 x 1250	3,00
120	600 x 1250	2,25



- Exterior wall ①
- Fixing mortar ②
- Plastic anchor ③
- Manto Foamboard ④
- Undercoat plaster ⑤
- Plaster loading mesh ⑥
- Undercoat plaster ⑦
- Top coat ready-to-use plaster ⑧

- High thermal insulation
- Easy to apply
- Available in different sizes
- Lightweight
- Water impermeable



TECHNICAL DATA SHEET

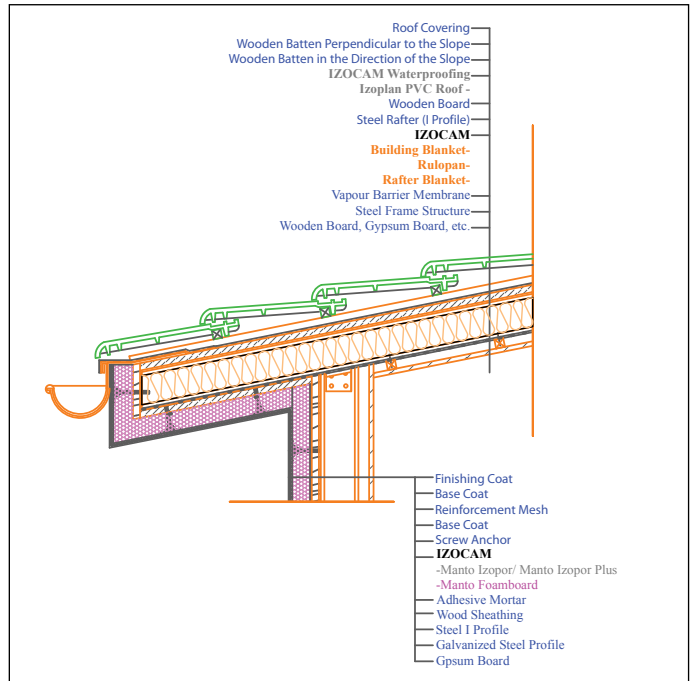
izocam Manto Foamboard

Properties	Symbol	Unit	Description										Tolerance	Standard	
Material	-	-	Extruded Polystyrene										-	TS EN 13164	
Edge Profile	-	-	Square										-	-	
Surface Shape	-	-	Rough										-	-	
Density	ρ	kg/m ³	min. 26	min. 28										-	-
Width x Length	W x L	mm	600 x 1250										if < 1000 ± 8 mm if ≥ 1000 + 10 mm	TS EN 822	
Thickness *	t	mm	20	25	30	40	50	60	70	80	100	120	T3	TS EN 823	
Reaction to fire	-	-	E										-	TS EN 13501-1	
Thermal Resistance	R _D	m ² .K/W	0,55	0,70	0,85	1,10	1,40	1,70	2,00	2,25	2,85	3,40	-	TS EN 13164	
Declared Thermal Conductivity (10 °C)	λ_D	W/m.K	0,035										-	TS EN 13164	
Water Vapor Diffusion Resistance Coefficient	μ	-	90										MU90	TS EN 12086	
Tensile Strength Perpendicular to Faces	TR	kPa	≥ 200										TR200	TS EN 1607	
Flatness	S _{max}	mm/m	< 7										-	TS EN 825	
Dimensional Stability Under Specified Thermal and Compressive Load Conditions	-	%	≤ 5										DLT(1)5 DLT(2)5	TS EN 1605	
Dimensional Stability Under Specified Thermal and Humidity Conditions	-	%	≤ 5 (at 70±2°C after 48 hours) ≤ 5 (at 70±2°C 90±5% relative humidity after 48) ≤ 2 (at 23±2°C 90±5% relative humidity after 48)										DS(T+5) DS(TH)5 -	TS EN 1604	
Compressive Strength	σ_{10}	kPa	≥ 200 (10 % deformation)										CS(10/Y)200	TS EN 826	
Compressive Creep	σ_c	kPa	5										CC(2/1,5/10)5	TS EN 1606	
Long Term Water Absorption with Total Immersion	WL(T)	%	≤ 0,7										WL(T)0,7	TS EN 12087	
Long Term Water Absorption with Diffusion	WD(V)	%	≤ 5										WD(V)5	TS EN 12088	
Linear Shrinkage	-	mm/m K	≤ 0,07										-	-	
Capilarity	-	-	None										-	-	
Packaging Material	-	-	PE Film										-	-	

Safety Reminders for Loading, Unloading, Shipping and Storing

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- Unloading should be carried out from backside to the front.
- Products should not be put into upright position during shipping and storing.
- Products should not be pulled by their package.
- Products should not be stepped on.
- The packages should be put on the floor with extra care so the corners of the product especially is not damaged by a hit.
- Storing can be carried out by superposing the products with or without pallets.
- Products should not be shipped with the materials containing organic solvents (thinner, paint, fuel oil, acetone, etc.).
- Combustible, flammable, hazardous materials should not be stored in storage area and there should be fire extinguishing equipment available.

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FOAMBOARD

1500 P - 2000 P - 2500 P - 3000 P - 3500 P



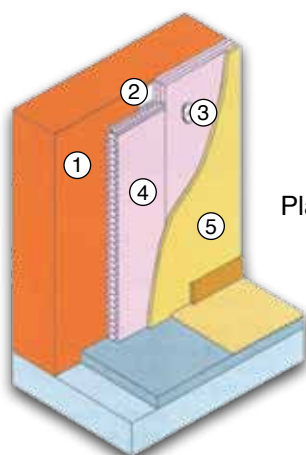
Foamboard thermal insulation board is extruded polystyrene board with rough surface. It is used for the internal insulation of the exterior walls owing to its high insulation property and vapour diffusion resistance.

Application

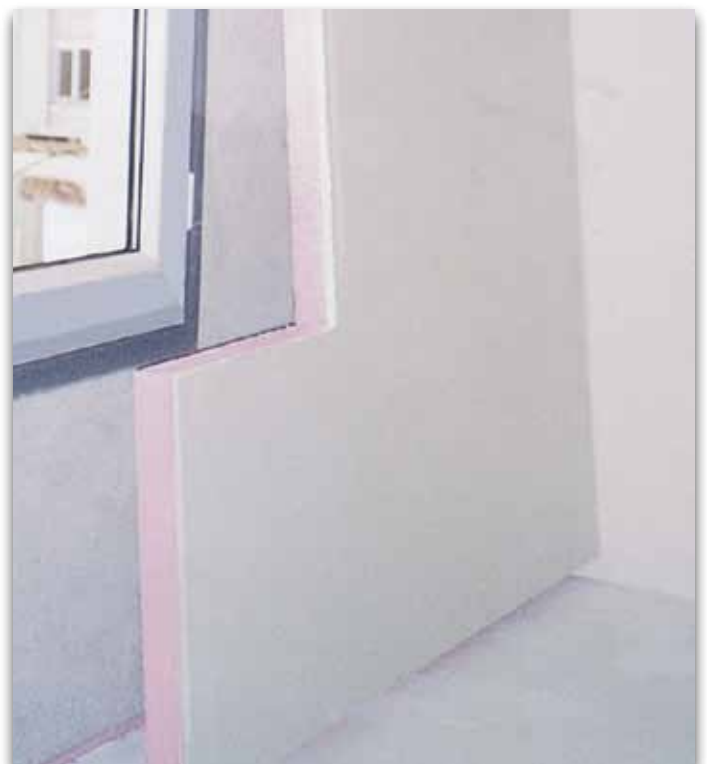
There are two different methods used for the internal insulation of exterior walls: Plaster method and dry plaster method. For plaster method, the boards are adhered by cement based fixing mortar to the inner wall surface in a manner that the joints are aligned. The application is completed by adhering waste strip to the joint. For dry plaster method, the boards faced with 1.25 cm gypsum board on one side, are adhered to the wall by cement based fixing mortar. Before the adhering application, roughness of the wall surface should be minimized.

After the boards are adhered, the application is completed by standard connection and finish techniques. For the internal insulation of the exterior walls, it is important to take precautions to avoid thermal bridges at where the slabs, columns, beams and curtains connect to the exterior wall.

Thickness (cm)	Width x Length (cm)	Package (m ²)
2	60 x 125	15,00
2,5	60 x 125	12,00
3	60 x 125	10,50
4	60 x 125	7,50
5	60 x 125	6,00
6	60 x 125	5,25
7	60 x 125	4,50
8	60 x 125	3,75
9	60 x 125	3,75
10	60 x 125	3,00
12	60 x 125	2,25



- Exterior wall ①
- Fixing mortar ②
- Plastic anchor ③
- Foamboard ④
- Plaster or gypsum board ⑤



- High thermal insulation
- Easy to apply
- Available in different sizes
- Water impermeable



TECHNICAL DATA SHEET

Izocam Foamboard 1500 P - 2000 P - 2500 P - 3000 P - 3500 P

Properties	Symbol	Unit	Description										Tolerance	Standard	
Material	-	-	Extruded Polystyrene										-	TS EN 13164	
Edge Profile	-	-	Square, Ship-lap										-	-	
Surface Shape	-	-	Rough										-	-	
Material Type	-	-	1500 P	2000 P	2500 P	3000 P	3500 P					-	-		
Compressive Strength (10 % deformation)	σ_{10}	kPa	≥ 150	≥ 200	≥ 250	≥ 300	≥ 350	CS(10/Y)					100	TS EN 826	
													200		
													250		
													300		
Density*	ρ	kg/m ³	min. 21-30	min. 24-30	min. 26-30	min. 27-34	min. 28-37					-	-		
Tensile Strength Perpendicular to Faces	TR	kPa	≥ 200	≥ 200	≥ 400	≥ 400	≥ 600					TR200 - TR400 TR 600	TS EN 1607		
Water Vapor Diffusion Resistance Coefficient	μ	-	90	90	90	100	100					MU90 - MU100	TS EN 12086		
Width x Length	W x L	mm	600 x 1250										if < 1000 ± 8 mm if ≥ 1000 + 10 mm	TS EN 822	
Thickness **	t	mm	20	25	30	40	50	60	70	80	90	100	120	T1 / T2 / T3	TS EN 823
Reaction to fire	-	-	E										-	TS EN 13501-1	
Thermal Resistance	R_D	m ² .K/W	0,55	0,70	0,85	1,10	1,40	1,70	2,00	2,25	2,55	2,85	3,40	-	TS EN 13164
Declared Thermal Conductivity (10 °C)	λ_D	W/m.K	0,035										-	TS EN 13164	
Dimensional Stability Under Specified Thermal and Compressive Load conditions		%	≤ 5										DLT(1)5 DLT(2)5	TS EN 1605	
Dimensional Stability Under Specified Thermal and Humidity Conditions		%	≤ 5 (at 70±2°C after 48 hours) ≤ 5 (at 70±2°C 90±5% relative humidity after 48)										DS(T+)5 DS(TH)5 -	TS EN 1604	
Long Term Water Absorption with Total Immersion	WL(T)	%	≤ 0,7										WL(T)0,7	TS EN 12087	
Long Term Water Absorption with Diffusion	WD(V)	%	≤ 5										WD(V)5	TS EN 12088	
Linear Shrinkage	-	mm/m K	≤ 0,07										-	-	
Compressive Creep	σ_c	kPa	5										CC(2/1,5/10)5	TS EN 1606	
Capilarity	-	-	None										-	-	
Packaging Material	-	-	PE Film										-	-	
Other Information	Ship-lap edge boards can not be manufactured in 20 mm thickness.														

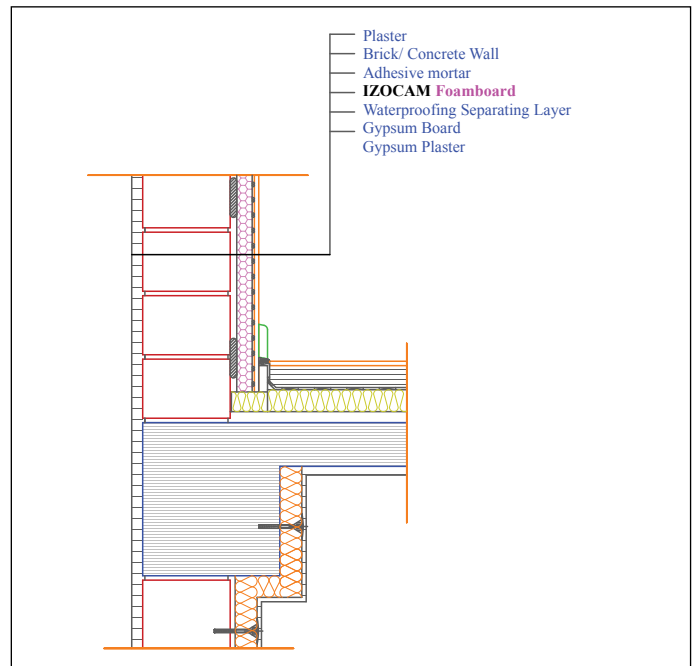
* Depends on thickness, for further details please contact to Izocam.

** 100 - 120 mm thick boards can be manufactured in 3500 P type.

Safety Reminders for Loading, Unloading, Shipping and Storing

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- Only backshutter of the truck body should be opened during unloading.
- Unloading should be carried out from backside to the front.
- Products should not be put into upright position during shipping and storing.
- Products should not be pulled by their package.
- Products should not be stepped on.
- The packages should be put on the floor with extra care so the corners of the product especially is not damaged by a hit.
- Storing can be carried out by superposing the products with or without pallets.
- Products should not be shipped with the materials containing organic solvents (thinner, paint, fuel oil, acetone, etc.).
- Combustible, flammable, hazardous materials should not be stored in storage area and there should be fire extinguishing equipment available.

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FOAMBOARD

3000 D - 3500 D

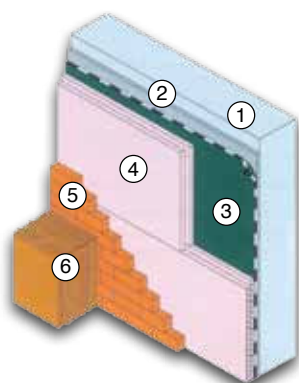


It is an extruded polystyrene board used for thermal insulation of below grade exterior walls of basements, on-grade floors of buildings.

Application

For the thermal insulation of below grade walls Foamboard products are used with waterproofing membranes. First a plaster is spread over the wall in order to smoothen the surface and then waterproofing membrane is applied. Consequently, İzocam Foamboard is applied loose on waterproofing membrane. There is no need to adhere the boards if the application is carried out together with the erection of protection wall and earth fill. There is another method in which İzocam Foamboard is adhered to the bituminous water proofing membrane at intervals by cold bitumen. Anchoring is not used in below grade exterior wall application in order not to drill through water proofing.

Thickness (cm)	Width x Length (cm)	Package (m ²)
2	60 x 125	15,00
2,5	60 x 125	12,00
3	60 x 125	10,50
4	60 x 125	7,50
5	60 x 125	6,00
6	60 x 125	5,25
7	60 x 125	4,50
8	60 x 125	3,75
9	60 x 125	3,75
10	60 x 125	3,00
12	60 x 125	2,25
15	60 x 125	2,25



- Basement wall ①
- Levelling plaster ②
- izoplan waterproofing membrane ③
- Foamboard ④
- Protection wall ⑤
- Earth fill ⑥

- High compressive strength
- High thermal insulation
- Easy to apply
- Available in different sizes
- Lightweight
- Water impermeable



TECHNICAL DATA SHEET

izocam Foamboard 3000 D - 3500 D

Properties	Symbol	Unit	Description											Tolerance	Standard	
Material Type			3000 D					3500 D								
Material	-	-	Extruded Polystyrene											-	TS EN 13164	
Edge Profile	-	-	Square, Ship-lap											-	-	
Surface Shape	-	-	Skin											-	-	
Density *	ρ	kg/m ³	min. 36-40	min. 35-38	min. 34-37	min. 32-34	min. 29-30			min. 30	min. 34			-	-	
Width x Length	W x L	mm	600 x 1250											if < 1000 ; \pm 8 mm if \geq 1000 ; + 10 mm	TS EN 822	
Thickness **	t	mm	20	25	30	40	50	60	70	80	90	100	120	150	T1 / T2 / T3	TS EN 823
Reaction to fire	-	-	E											-	TS EN 13501-1	
Thermal Resistance	R_D	m ² .K/W	0,55	0,70	0,85	1,10	1,40	1,70	2,00	2,25	2,55	2,85	3,40	4,25		TS EN 13164
Declared Thermal Conductivity (10 °C)	λ_D	W/m.K	0,035											-	TS EN 13164	
Water Vapor Diffusion Resistance Coefficient	μ	-	100											MU100	TS EN 12086	
Tensile Strength Perpendicular to Faces	TR	kPa	\geq 400					\geq 600						TR400	TR600	TS EN 1607
Dimensional Stability Under Specified Thermal and Compressive Load Conditions		%	\leq 5											DLT(1)5 DLT(2)5	TS EN 1605	
Dimensional Stability Under Specified Thermal and Humidity Conditions		%	\leq 5 (at 70 \pm 2°C after 48 hours) \leq 5 (at 70 \pm 2°C and 90 \pm 5% relative humidity after 48 hours) \leq 2 (at 23 \pm 2°C and 90 \pm 5% relative humidity after 48 hours)											DS(T+)5 DS(TH)5 -	TS EN 1604	
Compressive Strength	σ_{10}	kPa	\geq 300					\geq 350 (10 % deformation)						CS(10/Y)300	TS EN 826	
Compressive Creep	σ_c	kPa	10											CC(2/1,5/10)10	TS EN 1606	
Freeze Thaw Resistance	FT	%	\leq 1											FT2	TS EN 12091	
Long Term Water Absorption with Total Immersion	WL(T)	%	\leq 0,7											WL(T)0,7	TS EN 12087	
Long Term Water Absorption with Diffusion	WD(V)	%	\leq 3											WD(V)3	TS EN 12088	
Linear Shrinkage	-	mm/m K	\leq 0,07											-	-	
Capilarity	-	-	None											-	-	
Packaging Material	-	-	PE Film											-	-	
Other Information	There is no ship-lap in 20 mm thickness.															

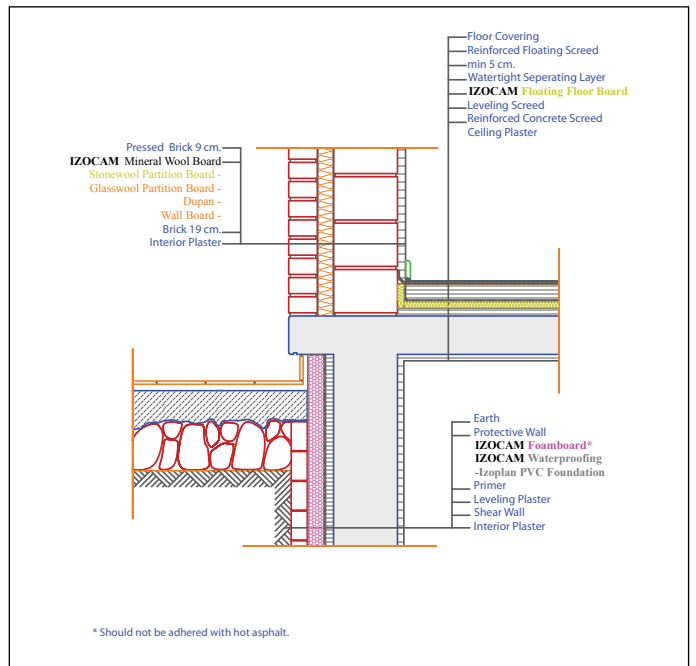
* Depends on thickness, for further details please contact to İzocam.

** 120 - 150 mm thick boards can be manufactured in 3500 D type.

Safety Reminders for Loading, Unloading, Shipping and Storing

- Loading and unloading should be done by (at least) two people.
- Products 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.
- Products should not be put into upright position during shipping and storing.
- 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.
- Storing can be carried out by superposing the products with or without pallets.
- Products should not be shipped with the materials containing organic solvents (thinner, paint, fuel oil, acetone, etc.).
- Combustible, flammable, hazardous materials should not be stored in storage area and there should be fire extinguishing equipment available.

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.



ENXPS3D2012/01



FOAMBOARD UNDER FLOORING



It is an extruded polystyrene board with flat surface that is used under flooring in order to level the surface.

Application

The boards are laid properly on the floor to be covered. If the roughness of the surface is significant, application with two layers can be carried out around this region. If the roughness is too much to be removed, the surface should be levelled again.

Thickness (cm)	Width x Length (cm)	Package (m ²)
4	60 x 125	45,00
10	60 x 125	30,00



- High compression strength
- Thermal insulation
- Affordable
- Fast and easy installation
- Lightweight



TECHNICAL DATA SHEET

İzocam Foamboard - Under Flooring

Properties	Symbol	Unit	Description	Tolerance	Standard
Material	-	-	Extruded Polystyrene	-	TS EN 13164
Edge Profile	-	-	Square, Ship-lap	-	-
Density	ρ	kg/m ³	min. 26	-	-
Width x Length	W x L	mm	600 x 1250	if < 1000 ; ± 8 mm if ≥ 1000 ; $+ 10$ mm	TS EN 822
Thickness	t	mm	4 10	T2 ($\pm 1,5$)	TS EN 823
Reaction to fire	-	-	E	-	TS EN 13501-1
Water Vapor Diffusion Resistance Coefficient	μ	-	100	MU100	TS EN 12086
Tensile Strength Perpendicular to Faces	TR	kPa	≥ 200	TR200	TS EN 1607
Dimensional Stability Under Specified Thermal and Compressive Load conditions	-	%	≤ 5	DLT(1)5 DLT(2)5	TS EN 1605
Dimensional Stability Under Specified Thermal and Humidity Conditions	-	%	≤ 5 (at $70\pm 2^\circ\text{C}$ after 48 hours) ≤ 5 (at $70\pm 2^\circ\text{C}$ and $90\pm 5\%$ relative humidity after 48 hours) ≤ 2 (at $23\pm 2^\circ\text{C}$ and $90\pm 5\%$ relative humidity after 48 hours)	DS(T+5) DS(TH)5 -	TS EN 1604
Compressive Strength	σ_{10}	kPa	≥ 200 (10 % deformation)	CS(10/Y)200	TS EN 826
Compressive Creep	σ_c	kPa	10	CC(2/1,5/10)10	TS EN 1606
Freeze Thaw Resistance	FT	%	≤ 1	FT2	TS EN 12091
Long Term Water Absorption with Total Immersion	WL(T)	%	$\leq 0,7$	WL(T)0,7	TS EN 12087
Long Term Water Absorption with Diffusion	WD(V)	%	≤ 3	WD(V)3	TS EN 12088
Linear Shrinkage	-	mm/m K	$\leq 0,07$	-	-
Capilarity	-	-	None	-	-
Packaging Material	-	-	PE Film	-	-

Safety Reminders for Loading, Unloading, Shipping and Storing

- These operations should be done indoors if the weather is rainy.
- Products 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.
- Products should not be put into upright position during shipping and storing.
- Products should not be pulled by their package.
- Products should not be stepped on and should not be used as steps.
- Board packages should be put on the floor with extra care so the corners of the product especially is not damaged by a hit.
- Products can be stored with or without pallets by superposing the packages.
- Products should not be shipped with the materials containing organic solvents (thinner, paint, fuel oil, acetone, etc.).
- Combustible, flammable, hazardous materials should not be stored in storage area and there should be fire extinguishing equipment available.



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