

# FOAMBOARD 1500 D

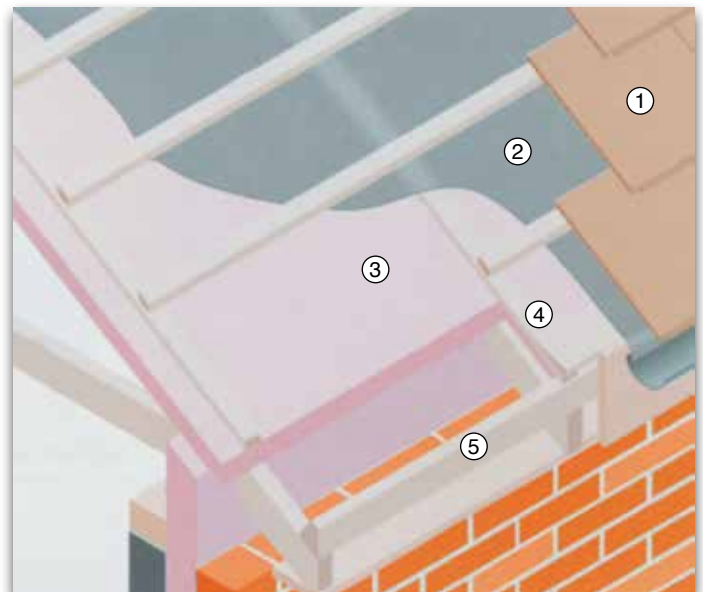


These are extruded polystyrene boards with skin surface. They are used for the thermal insulation of inclined roofs with utilized attics.

## 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 <sup>2</sup> )	Package (m <sup>3</sup> )
2,5	60 x 120	11,52	0,2880
3	60 x 120	10,08	0,3024
4	60 x 120	7,20	0,2880
5	60 x 120	5,76	0,2880



- 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	$\rho$	kg/m <sup>3</sup>	-				-	-
Width	w	mm	600				± 8 mm	TS EN 822
Length	t	mm	1200				± 8 mm	TS EN 822
Squareness	$S_b$	mm/m	max.5				-	TS EN 824
Flatness	$S_{max}$	mm/m	max.6				-	TS EN 825
Thickness	d	mm	25	30	40	50	T1 *	TS EN 823
Reaction to fire	-	-	E				-	TS EN 13501-1
Thermal Resistance	$R_D$	m <sup>2</sup> .K/W	0,70	0,85	1,10	1,40	-	TS EN 13164
Declared Thermal Conductivity (10 °C)	$\lambda_D$	W/m.K	0,035				-	TS EN 13164
Water Vapor Diffusion Resistance Coefficient	MU	-	100				MU100	TS EN 12086
Tensile Strength Perpendicular to Faces	TR	kPa	min. 200				TR200	TS EN 1607
Dimensional Stability Under Specified Thermal and Humidity Conditions	$\Delta\varepsilon_t, \Delta\varepsilon_D, \Delta\varepsilon_d$	%	max. 5 **				DS (70,90)	TS EN 1604
Dimensional Stability Under Specified Thermal and Compressive Load Conditions	$\varepsilon_t$	%	max. 5 ***				DLT(1)5 DLT(2)5	TS EN 1605
Compressive Strength	$\sigma_{10}$	kPa	min. 150 (10% deformation)				CS(10/Y)150	TS EN 826
Compressive Creep	$\sigma_c$	kPa	10				CC(2/1,5/10)10	TS EN 1606
Freeze Thaw Resistance	FTCD	%	max. 1				FTCD <sub>1</sub>	TS EN 12091
Long Term Water Absorption with Total Immersion	$W_{lt}$	%	max. 0,7				WL(T)0,7	TS EN 12087
Long Term Water Absorption with Diffusion	$W_{dv}$	%	max. 3				WD(V)3	TS EN 12088
Packaging Material	-	-	PE Film				-	-

\* T1 : +2 for < 50 mm; -2,+3 for 50 - 120 mm; -2,+3 for > 120 mm  
According to customer demands can be product in T2 or T3 thickness class.

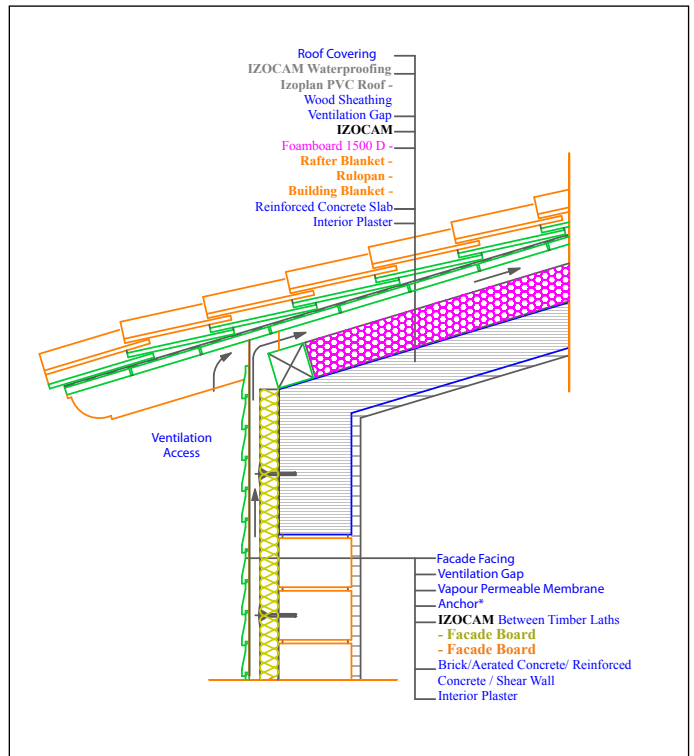
\*\* TS EN 13164 / Item 4.3.2

\*\*\* TS EN 13164 / Item 4.3.3

### 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.

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.



ENEPSF1D2018/11