

FLAT ROOF BOARD



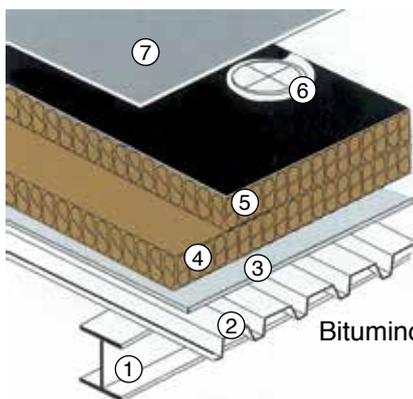
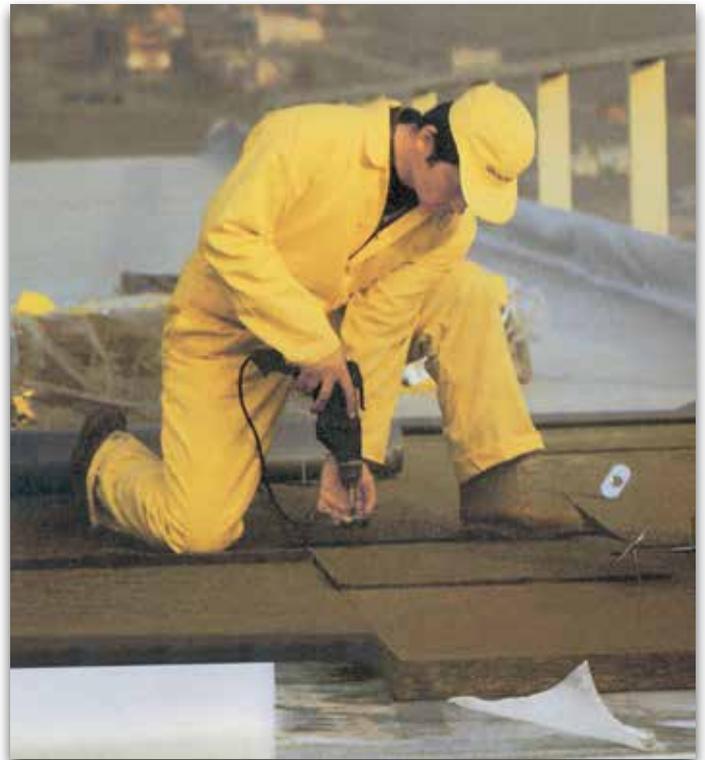
Flat Roof Board is stone wool board which is manufactured either unfaced for both faces or coated with glass tissue reinforced bitumen on one face. They are utilized for the thermal insulation, sound insulation and fire safety of all kinds of metal and timber roofs of all inclinations, of accessible or inaccessible conventional flat roofs.

Application

İzocam Stone Wool Flat Roof Boards are used for thermal insulation, sound insulation and fire safety purposes under waterproofing. Inaccessible Flat Roof Applications: One layer of nylon cover is laid on corrugated metal roofing sheet as a vapour barrier. It is overlapped at the seams by 10 cm. and adhered to the surface. According to thermal insulation thickness, one or two layers of İzocam Stone Wool Flat Roof Board are laid on vapour barrier layer by fastening to the corrugated metal cover with anchors which have large washers. It is recommended to alternate board seams when two layer application is preferred. On top of that, waterproofing membrane (bituminous membrane, pvc, tpo, etc.) is applied. If there is any concrete or autoclaved aerated (AAC) roof panels, vapour barrier membranes are spread on and adhered to them. On top of that, İzocam Stone Wool Bituminous Flat Roof Boards are laid broadly and are fastened with anchor with wide washers. Then waterproofing cover is applied on top. Accessible Flat Roof Applications: Levelling concrete is applied on concrete or AAC roof panels. Then vapour barrier membrane is placed on and adhered to it. After that, İzocam Stone Wool Bituminous Flat Roof Boards are laid broadly. Waterproofing cover is applied on top and a layer of felt is laid on. The application is completed with the desired floor covering.

Unfaced	Thickness (cm)	Width x Length (cm)	Package (m ²)
	3	60 x 120	5,76
	4	60 x 120	4,32
	5	60 x 120	3,60
	6	60 x 120	2,88
	8	60 x 120	2,16
	10	60 x 120	1,44
	12	60 x 120	1,44

Bitumen	Thickness (cm)	Width x Length (cm)	Package (m ²)
	3	100 x 120	6,00
	4	100 x 120	4,80
	5	100 x 120	3,60
	6	100 x 120	3,60
	8	100 x 120	2,40



- Structural System ①
- İzocam Tekiz ②
- Corrugated Sheet ③
- Vapour Barrier ④
- Flat Roof Board ⑤
- Bituminous Flat Roof Board ⑥
- Fastening Element ⑦
- Waterproofing ⑧

- Thermal insulation
- Fire safety
- Sound insulation
- Easy to apply
- Available in different sizes



TECHNICAL DATA SHEET

izocam Flat Roof Board

Properties		Symbol	Unit	Description							Tolerance	Standard
Material		-	-	Stone Wool							-	TS EN 13162
Density		ρ	kg/m ³	150							+/-10%	-
Width		w	mm	1000			600				+/-1,5%	TS EN 822
Length		l	mm	1200							+/-2%	TS EN 822
Facing		-	-	Unfaced			Bitumen faced **				-	-
Thickness	Unfaced	t	mm	30	40	50	60	80	100	120	T4 *	TS EN 823
	Bitumen faced			30	40	50	60	80	-			
Reaction to fire		-	-	A1			NPD				-	TS EN 13501-1
Declared Thermal Conductivity (10 °C)		λ_D	W/mK	0,039							-	TS EN 12667 / 12939
Thermal Resistance		R_D	m ² .K/W	0,75	1,00	1,25	1,50	2,05	2,55	3,05	-	TS EN 13162
Water Vapor Diffusion Resistance Coefficient ***		μ	-	1			NPD				-	TS EN 12086
Compressive Strength		σ_{10}	kPa	25	40	55	65	75	85	100	-	TS EN 826
Short Term Water Absorption		W_p	kg/m ²	max. 1							-	TS EN 1609
Long Term Water Absorption		W_{lp}	kg/m ²	max. 3							-	TS EN 12087
Packaging Material		-	-	PE Film							-	-
Other Information		Yellow/black glass tissue and aluminium foil faced types are al so available. Bitumen weight is 1200-1500 gr/m ² .										

* T4: -3% or -3 mm; +5% or +5 mm. The biggest value is chosen at minus tolerance, the smallest value is chosen at plus tolerance.

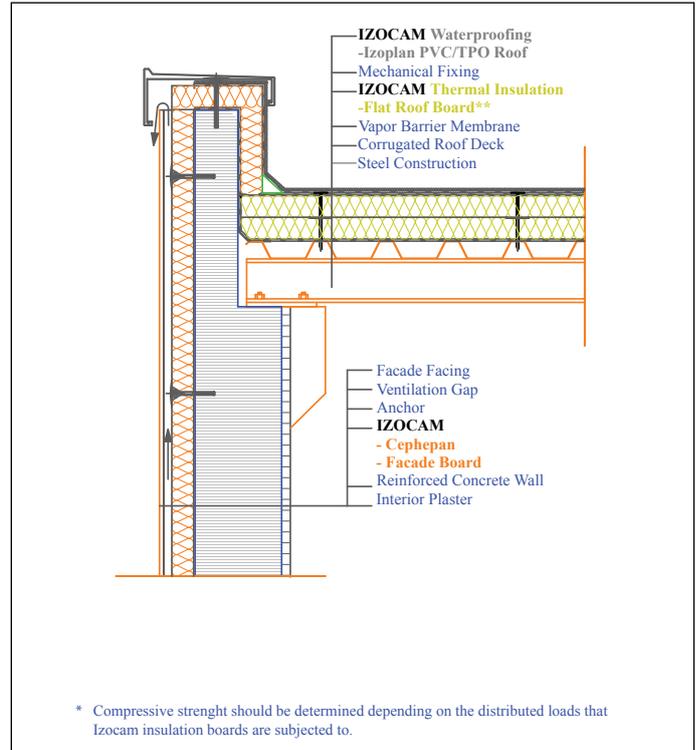
** Glass tissue weight is 35 g/m²; PP weight is 20-25 g/m²; tolerance is -200 / +400 g/m²;

*** Literature value.

Safety Reminders for Loading, Unloading, Shipping and Storing

- These operations should be done indoors if the weather is rainy.
- Loading and unloading should be done by (at least) two people.
- Products should be wrapped by a waterproof cover even if the shipping distance is short.
- Products should not be superposed with pallets.
- Products should not be put into upright position.
- Products should not be stepped on and should not be used as steps.
- Products should not be pulled by their package.
- Products should be in packages (10 each) and maximum 6 packages can be superposed.
- Before binding, hard cardboards (minimum 20 x 50 cm) should be put on the corners of packages to protect against possible damages by ropes.
- Storage area should be protected against any wet threats such as rain, float, etc. Indoor spaces should be preferred.
- The packages should be put on the floor with extra care so the corners of the product especially is not damaged by a hit.

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.



ENTYTCL2015/06