NEW PRODUCT FROM İZOCAM
FACADE BOARD

A great deal of architects use the facade to demonstrate their creative ideas. Aesthetic size of the building might be the first thing that comes to mind when mentioning facade design, but economical and functional measurements are also very important. According to the researches, at least 45% of the heat loss occurs on facades. İzocam New Facade Board is preventing those heat losses and gains on facades with it's high thermal insulation properties which are designed for facades.

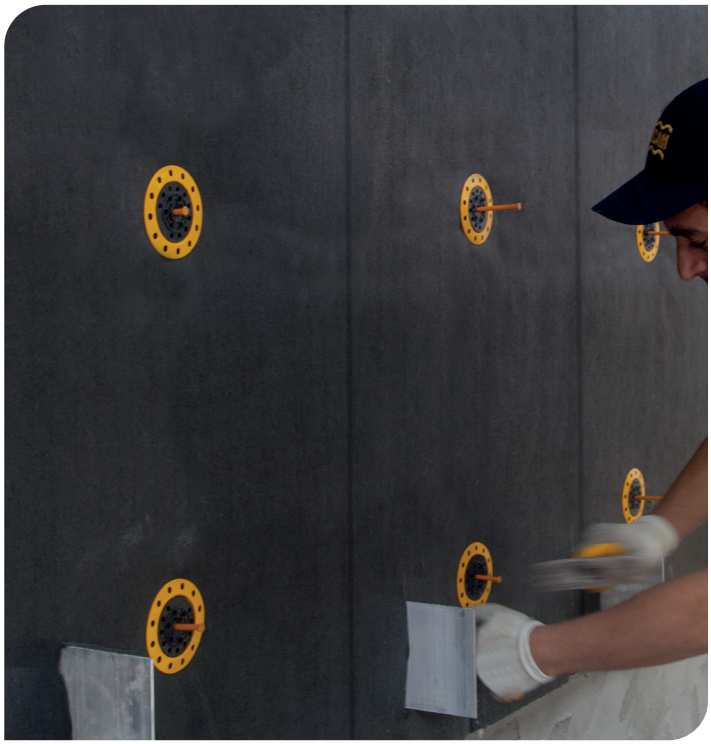
İzocam, correct solution for each need.

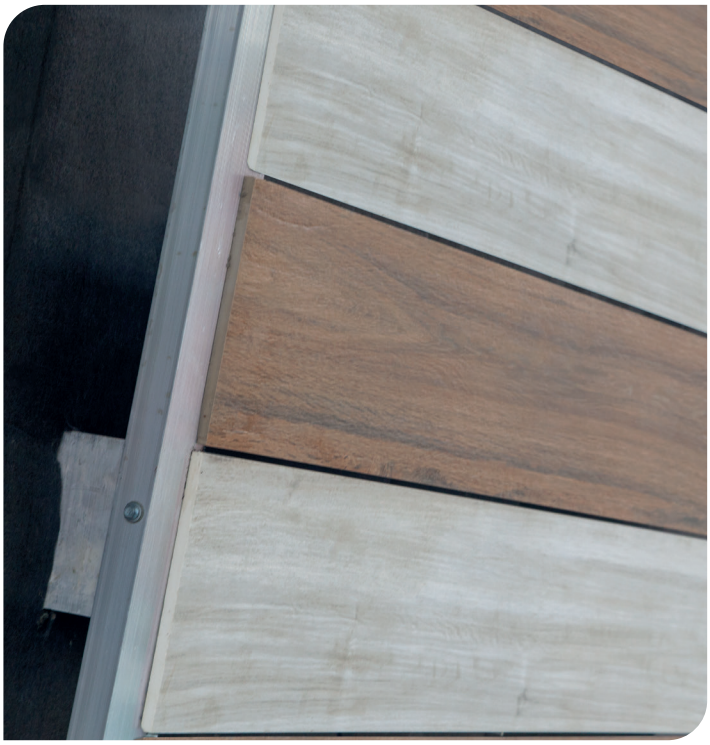
İzocam, the pioneer of reliable and qualified insulation, is providing correct solutions for each need. New İzocam Facade Board that was developed for more comfort and sustainability has water repellent feature and is faced with black glass tissue on one surface is utilized for thermal, sound insulation and fire safety under the glass, granite, marble, aluminium, wood etc. ventilated facades. Quick and easy application thanks to it's light and flexible structure, providing saving in logistics and storage with it's well compressibility; new facade board aims to provide qualified energy saving.

The gap between cladding material and structural system in ventilated facades will act as a chimney in case of fire. For this reason, the insulation material used in this area should offer high fire performance. With its A2-s1,d0 fire classification, Izocam Facade Board provides safe behavior in the event of fire, including very limited smoke emission and no flaming droplets, making it a reliable choice even for high-rise buildings.

PROPERTIES

- Flexible
- Lightweight
- Durable
- Harmless to health
- Dust free
- Hydrophobic
- Easy to cut
- Easy to install
- Provides good thermal insulation
- Fire-proof "A2-s1,d0" class
- Helps sound insulation





APPLICATION

There are countless options in metal structure and their fixation in ventilated facade applications. Architectural preferences, shape of the building, type and weight of the cladding material and determination options between components are all crucial for elaboration of system. Frequently performed application is described below as an example.

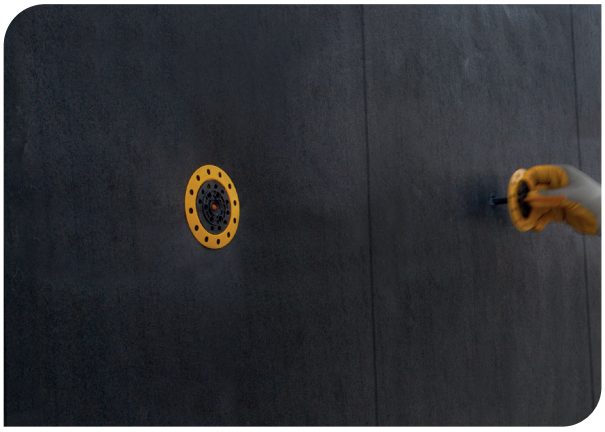
- Metal brackets are anchored to exterior wall with applying of grade control both horizontally and vertically. Numerous factors such as modularity of coating material in array of anchorages, wind moves, weight for anchorage to bear, shape of the building act as determinants.

- It is recommended to use starting profile to secure the structure at the starting line. The first row of insulation boards is to be inserted inside the starting profile. The boards must be carefully placed next to each other in order to ensure continuity of the insulation layer. İzocam Facade Board can be cut easily and it retains its form under favour of its flexible and durable structure.

- In order to fix the insulation boards firmly, anchors are selected in suitable length to ensure they will pass through the thickness of the board and penetrate at least 4-5 cm into the masonry. Number of anchors are varied based on the tensile loads, however the most common use is 1-2 anchors in each board. One must be attentive for the anchor to be with stoper, in this way the insulation board will not be compressed by the anchor and not lose its insulation resistance.

- Vertical profiles that in proper length and size are mounted to brackets with steel screws.

- Cladding modules (tile, stone, ceramic, wood, metal, glass etc.) are either fixed with special anchor items to sub-structure or fixed directly on vertical profiles.



Thickness (mm)	Width x Length (mm)	Quantity per Package (m^2)	Quantity per Pallet (m^2)
40	600x1200	12,96	207,36
50	600x1200	10,08	161,28
60	600x1200	8,64	138,24
80	600x1200	6,48	103,68
100	600x1200	5,04	80,64
120	600x1200	4,32	69,12

TECHNICAL DATA SHEET İZOCAM FACADE BOARD

Properties	Symbol	Unit	Description	Tolerance	Standard
Material	-	-	Mineral Wool	-	TS EN 13162
Width	b	mm	600	+/-1,5%	TS EN 822
Length	l	mm	1200	+/-2%	TS EN 822
Thickness	d	mm	40 / 50 / 60 / 80 / 100 / 120	T3**	TS EN 823
Facing	-	-	Black Glass Tissue	-	-
Reaction to Fire	-	-	A2-s1,d0	-	TS EN 13501-1
Squareness	S_b	mm/m	max. 5	-	TS EN 824
Flatness	S_{max}	mm	max. 6	-	TS EN 825
Dimensional Stability	Δ_{sd}	%	max. 1	-	TS EN 1604
Thermal Conductivity	λ_D	W/m.K	0,035	-	TS EN 12667/12939
Thermal Resistance	R_D	m^2.K/W	1,10 / 1,40 / 1,70 / 2,25 / 2,85 / 3,40	-	TS EN 13162
Short Term Water Absorption by Partial Immersion	W_p	kg/m^2	≤ 1	-	EN 1609
Long Term Water Absorption by Partial Immersion	W_{1p}	kg/m^2	≤ 3	-	EN 12087
Specific Heat *	c	kj/(kg.K)	0,84	-	EN 12524
Water Vapor Diffusion Resistance*	μ	-	1	-	TS EN 12086
Dynamic Elasticity *	Edyn	kN/m^2	0,8	-	DIN 52214
Packaging Material	-	-	PE Film	-	-
Application Area	It is used at ventilated facades, under the glass, granite, marble and aluminium wall cladding for thermal insulation, sound insulation and fire safety purposes.				
Remarks	The products are water- repellent and contain silicon.				

* Literature Value
** T3: -3% or -3mm ; +10% or 10mm.
The biggest value is choosed at minus tolerance, The smallest value is choosed at + tolerance.

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