

FLAT ROOF BOARD

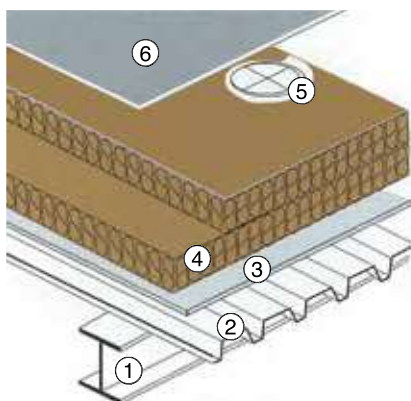


Flat Roof Board is an unfaced stone wool board, that is utilized for the thermal insulation, sound insulation and fire safety of all kinds of flat roofs.

Application

İzocam Stone Wool Flat Roof Boards are used for thermal insulation, sound insulation and fire safety purposes under waterproofing. 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.

| 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 |



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

- 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 | 600 | | | | | | | +/-1,5% | TS EN 822 |
| Length | | l | mm | 1200 | | | | | | | +/-2% | TS EN 822 |
| Facing | | - | - | Unfaced | | | | | | | - | - |
| Thickness | Unfaced | t | mm | 30 | 40 | 50 | 60 | 80 | 100 | 120 | T4 * | TS EN 823 |
| Reaction to fire | | - | - | A1 | | | | | | | - | 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 | | | | | | | - | 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 are available. | | | | | | | | | | |

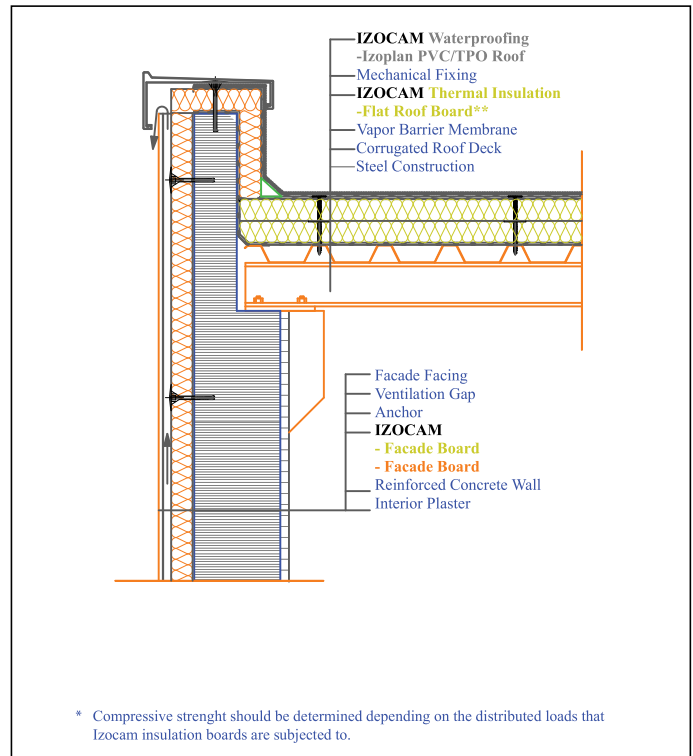
* T4: -3% or -3 mm; +5% or +5 mm. The biggest value is chosen at minus tolerance, the smallest value is chosen at plus tolerance.

** 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.



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