

CLIMAVER STAR

Suitable for outside use



Isover
SAINT-GOBAIN

1. Description

CLIMAVER STAR is a high-density ISOVER glass wool panel for outside use. A panel with an exclusive outer facing of waterproof plasticised embossed aluminium. It also features ultraviolet protection and is attached to the mineral wool panel via an adhesive system that is resistant to both exteriors. The interior features neto lining, offering excellent acoustic absorption.

2. Applications

CLIMAVER STAR is suitable for: building exterior climate control, complying .

| | RITE REQUIREMENTS | CLIMAVER STAR |
|---|-------------------|---------------|
| | Exterior | |
| Thickness (mm) | 50 | 40 |
| Thermal Conductivity (W/m·K) | 0,04 | 0,032 |
| Thermal resistance ($\text{m}^2\cdot\text{K}/\text{W}$) | 1,25 | 1,25 |

Installed in the same way as other **CLIMAVER** panels.



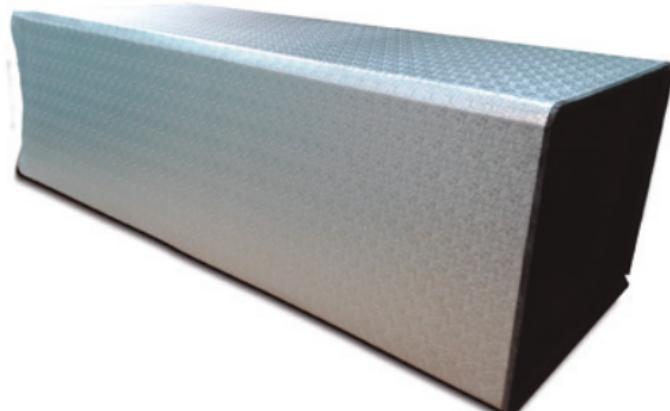
3. Technical properties

| Symbol | Parameter | Icon | Units | Value | Standard |
|-------------|--|------|-----------------------------|------------|--------------------------|
| λ_D | Thermal conductivity declared as a function of temperature | | W/m·K (°C) | 0,032 (10) | EN 12667 EN 12939 |
| | | | | 0,033 (20) | |
| | | | | 0,036 (40) | |
| | | | | 0,039 (60) | |
| — | Reaction to fire | | Euroclass | B-s1, d0 | EN 13501-1 EN 15715 |
| MU | Mineral wool: water-vapour diffusion resistance, μ | | — | 1 | EN 12086 |
| Z | Facing: water-vapour diffusion resistance | | $m^2 \cdot h \cdot Pa / mg$ | 150 | EN 12086 |
| MV | The vapour diffusion-equivalent air layer thickness, S_d | | m | 100 | EN 12086 |
| DS | Dimensional stability, $\Delta\epsilon$ | | % | < 1 | EN 1604 |
| — | Airtightness | | Class | D | UNE-EN 13403 EN 12237 |
| — | Pressure resistance | | Pa | 800 | UNE-EN 13403 |

Working conditions: Air speed up to 18 m/s and circulating air temperature up to 90°C.

4. Presentation

| Dimensions (m) | | Thicknesses (mm) |
|----------------|-----------|------------------|
| Length (m) | Width (m) | |
| 3,00 | 1,21 | 40 |



5. Advantages

- Ideal for direct application onto building exteriors.
- Weatherproof.
- Ultraviolet protection.
- Waterproof.
- Excellent thermal insulation ensuring energy savings.
- Highest level of acoustic attenuation ensuring greatest acoustic comfort.
- Greater air tightness class than that stipulated under RITE, Class D, minimum air leakage.
- Fire-proof safety: Euroclass B-s1,d0.
- Resistance to all heating duct cleaning methods.
- Non-proliferation of bacteria.
- Suitable for pressure levels up to 800 Pa.
- Fast, simple installation.



6. Working Conditions

In compliance with the EN-13403 standard, the use of **CLIMAVER STAR** ducts is not recommended in the following cases:

- Circulation of air at temperatures in excess of 90°C
- Wind speed in excess of 18 m/s
- Transport of corrosive solids and liquids.
- Vertical ducts with a height in excess of two storeys, without profiling support or underground ducts.

Reference works

CONSERVATORIO SUPERIOR DE MÚSICA
La Coruña (Spain)



IKASTOLA ASTIGARRAGA
San Sebastián (Spain)



SALBURUA CENTRO CÍVICO
Vitoria (Spain)



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