



# Catalogue

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***ISOLCORE***<sup>®</sup>

*The thinnest and most efficient insulation in the world*

IN CASE OF THICKNESS PROBLEMS  
**ISOLCORE IS THE SOLUTION!**

# **ISOLCORE**<sup>®</sup>

*The thinnest and most efficient insulation in the world*

**Isolcore** is an Italian brand that **produces thin insulating materials** for use in industrial and civil sectors.

**We manufacture all types of vacuum panels** with various materials inside and with the characteristics requested by our clients.

**What has made us particularly well-known in Italy in the construction sector is the CZ vacuum panel.**

The result of several years of research and development, this **technology** has been **patented** to make it suitable for the construction sector.

To date, it represents the true flagship of insulating materials on the global scene, as it offers the **best thermal insulation value, the best price**, and a proven installation system that makes it suitable even for facades of any height.

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# // THE REVOLUTION OF THERMAL INSULATION HAS BEGUN **Vacuum Panel CZ**



In accordance with



**The thinnest and most efficient insulation in the world**

Lambda D 0.002W/mK

**Cheapest in its category**

**Excellent fire resistance**

A2 S1 d0

**Eco-friendly**

Made with recycled materials and recyclable at end of life, compliant with the UNI/PdR 88:2020 standard

# // MORE AND MORE PEOPLE ARE CHOOSING CZ THE ADVANTAGES THAT MAKE A DIFFERENCE.



## **Maximum insulation with minimal bulk.**

1 cm of CZ is equivalent to 17 cm of EPS, 20 cm of rock wool, and 8 cm of aerogel.



## **Solve thickness and insulation issues, even during renovations**

in: historic centers, classified buildings, facades on sidewalks and roads.



**Avoid ancillary costs** such as: threshold modifications, electrical cables, gas pipes, air conditioners, blinds, shutters, gutters, etc.



**Maintain interior habitability** even in the narrowest spaces.



Achieve **faster installation** and greater cleanliness on site.



A solution **resistant to hail** and accidental impacts.



A **non-combustible insulator** (A2 S1 d0).



**Durability** 4 to 5 times greater than that of the most common insulators.



21 dB **sound reduction** with just 10 mm thickness.  
41 dB sound reduction with SoundStop system.

# // APPLICATION METHODS

## CZ

Also ideal for historic centers | listed buildings | street facades

### WALLS



EXTERIOR WALL BEHIND FIBER CEMENT OR GYPSUM BOARD.

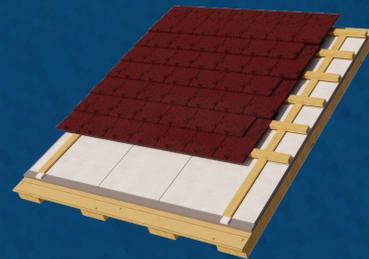


INTERIOR WALL BEHIND PLASTERBOARD

### ROOFINGS

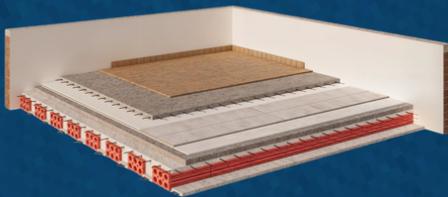


UNDER THE WOODEN PANEL (OSB)



CZ PANELS UNDER RIDGE TILE BATTENS/PROFILES

### FLOORING



CZ UNDER SCREED OF 60 MM



OSB PANEL OR FIBER CEMENT

### CEILINGS

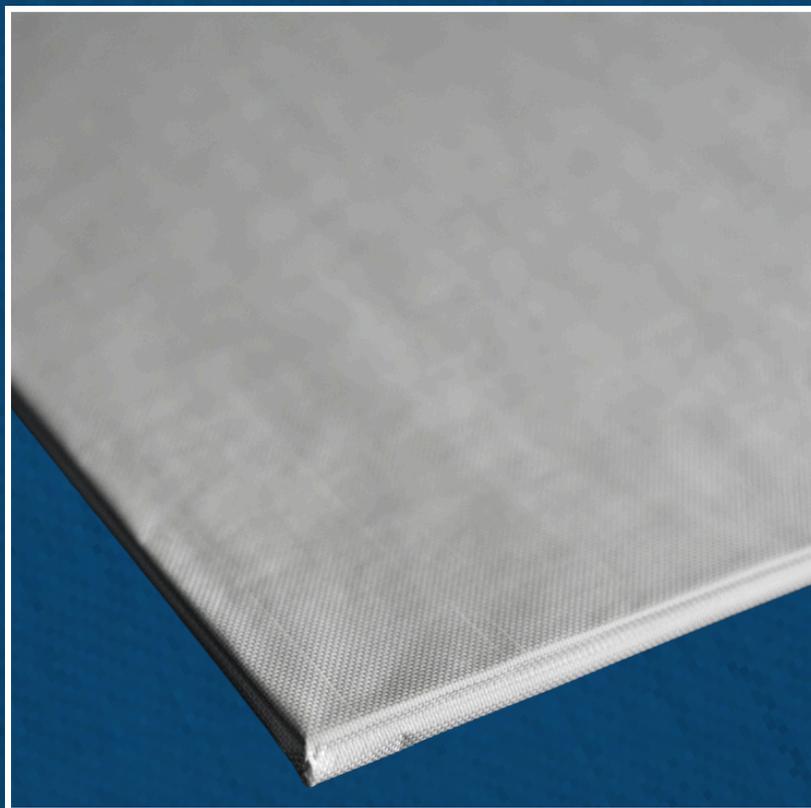


SOLUTION FOR SLOPED CEILINGS



CEILING IN ADHERENCE

# // THE ISOLCORE PANEL CZ IS THE NO. 1 IN THE WORLD



Vacuum panel composed of a fiberglass core and a special fiberglass fabric coating.

Thermal conductivity: **0.002W/mK**

Fire reaction class: **A2 S1 d0**

## **DIMENSIONS**

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1000x550 / 1000x350 /  
600x550 / 550x350 / 250x350  
150x350 / 50x350 mm

**Other formats on request**

## **PANEL THICKNESS**

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10-13-20-30 mm

**Other formats on request**

# // OTHER SOLUTIONS FOR THIN INSULATION

**Isolcore** expands its range of vacuum insulating panels (V.I.P.) made from fiberglass or silica powder and nanotechnology. It offers increasingly efficient solutions for construction, refrigeration, cold chain, tanks, and packaging. In addition to the CZ panel, it proposes new technologies designed to ensure efficiency, durability, and versatility of application.

## **APPLICATIONS:**

Construction, refrigeration, cold chain, tanks, packaging.

## **IN DETAIL:**

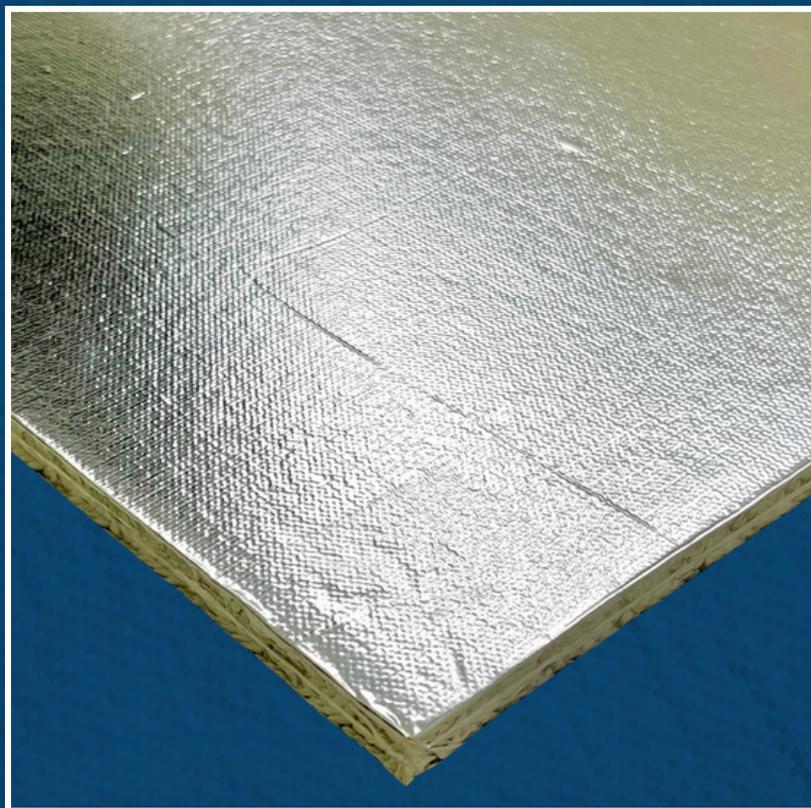
**Vacusil** made from silica powder is the ideal insulating panel for applications in the **refrigeration and transport sector**. Thanks to its composition, it offers **superior durability** compared to fiberglass panels, making it the preferred solution for the cold chain and applications where long-term reliability under extreme conditions is a priority.

**PROTECT panels** are the solution designed for those seeking maximum protection against accidental damage. When installed on walls, it allows direct smoothing of the panel and application of the finish without additional protective layers.

**When installed on floors or coverings**, the Protect panel **withstands damage caused by foot traffic during installation**. An additional advantage is that a hot-applied membrane can also be directly applied on the panel, enhancing its resistance and reliability.

**Aerogel**, a nanotechnological material that **combines extremely thin layers with high thermal performance**. Ideal for applications where every millimeter counts, it represents one of the most advanced frontiers of insulation.

# // TECHNICAL DATA VACUSIL



Fumed silica vacuum panel (silicon powder)

Thermal conductivity: **0.004W/mK**

Fire reaction class: **A2 S1 d0**

## **DIMENSIONS**

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1000x600 / 600x500 /  
600x100 / 200x100 mm

**Other formats on request**

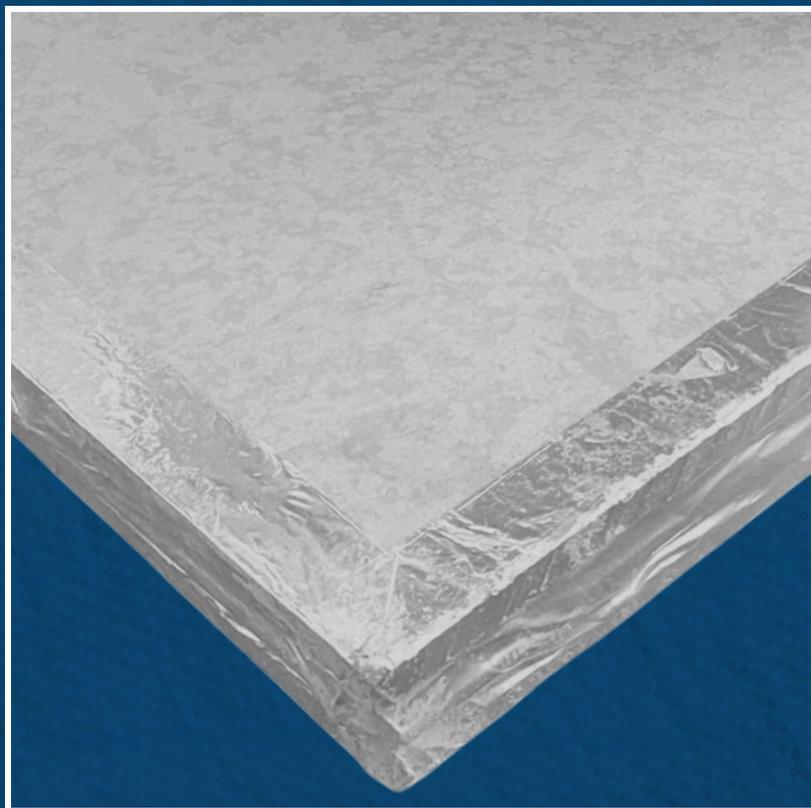
## **PANEL THICKNESS**

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10-15-20-25-30 mm

**Other formats on request**

# // TECHNICAL DATA CZ PROTECT



Fiberglass vacuum panel (CZ) combined with two layers of 3mm fiber cement.

Thermal conductivity: **0.002W/mK**

Fire reaction class: **A1 S1 d0**

## **DIMENSIONS**

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1000x600 / 600x500 /  
600x100 / 200x100 mm

**Other formats on request**

## **PANEL THICKNESS**

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16-21-26-31-36 mm

**Other formats on request**

# TECHNICAL DATA NANOFELT

Insulating felt made from aerogel



Roll

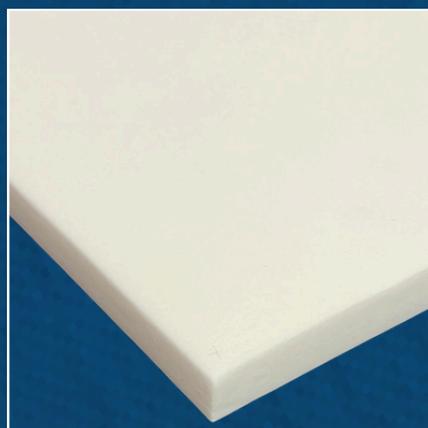
Ideal for large areas such as roofs and floors.

## DIMENSIONS

1,5x20m =30mq

## ROLL THICKNESS

3-6-10 mm



Panel

Ideal for wall insulation.

## DIMENSIONS

100x50cm

## PANEL THICKNESS

10-20-30 mm

Other formats on request



Strip

Ideal for insulating metal profiles in traditional dry wall systems.

## DIMENSIONS

100x5cm

## STRIP THICKNESS

10-20 mm

Other formats on request

Thermal conductivity: **0,015W/mK**

Fire reaction class: **A2 S1 d0**

Also ideal for insulating small cracks where the vacuum panel cannot be used, or for insulating thermal bridges and mechanical fasteners.

The insulation can be custom-shaped for issues such as columns, electrical boxes, under window sills, window jambs, etc.

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