



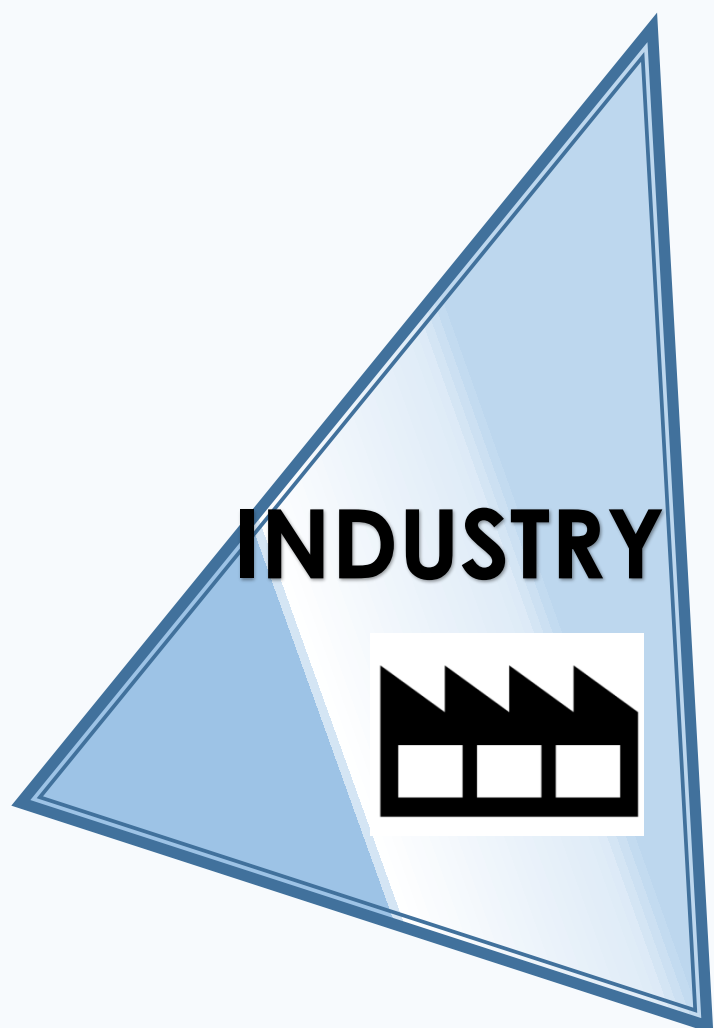
Vincitore del Premio Innovazione Smau

2019 PREMIO INNOVAZIONE **smau**

STARTUP

e-4e

Phase Change Material High-Tech

The logo for e-4e features the text "e-4e" in a large, bold, black sans-serif font. To the right of the text is a decorative graphic consisting of five triangles arranged in a semi-circle, colored red, green, yellow, and blue. Below the main text, the words "Phase Change Material High-Tech" are written in a smaller font, with each word in a different color: Phase (red), Change (green), Material (yellow), and High-Tech (blue).

LINEE DI PRODOTTI

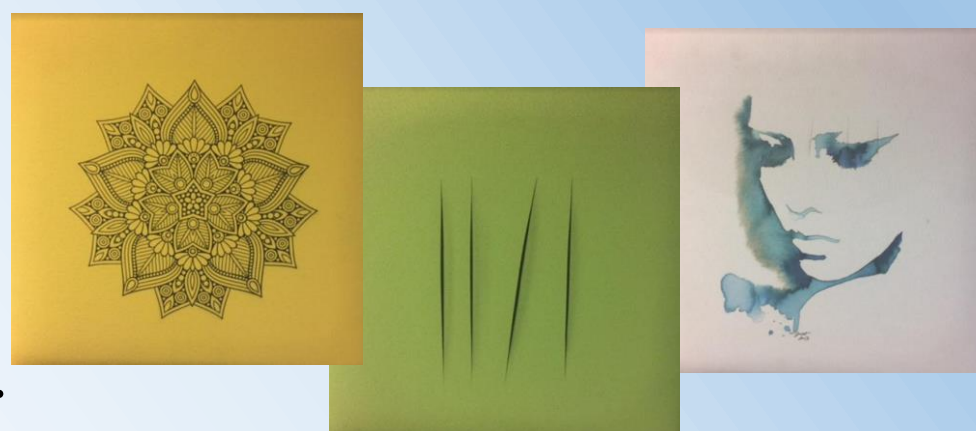


RESIDENTIAL – INFINITE-R panel with ecological PCM.
5 available standard temperatures : 18/21/23/25/29°C

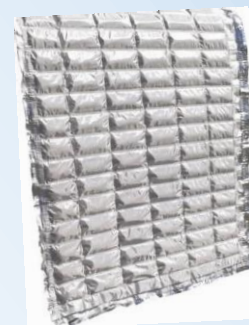
THERMAL CAPACITY: 315 w/m²
PHASE CHANGE MATERIAL: Base minerale - inorganico
LATENT THERMAL ENERGY: 200 j/g
SPECIFIC HEAT: 3,14 Kj/Kg
THICKNESS AND WEIGHT : 6 mm ; 4.89 kg/m²
RESISTANCE TO FIRE: A S T M E 8 4 | U L 7 2 3 - F l a m e 5 , S m o k e 1 0
PERMEABILITY: A S T M E 9 6 - 4.6 ng/N's



RESIDENTIAL – DesignPanel
suspended ceiling and wall.
5 available standard temperatures :
18/21/23/25/29 °C .
Colours and serigraphs of your choice.



INDUSTRIAL - Panel 4 in 1: static thermal insulation - dynamic thermal – acoustic - Fire resistance class 0.
5 available standard temperatures:
18/21/23/25/29°C.



Green building - Hemp wood panel + Infinite-R, static and dynamic thermal insulation.
3 available standard temperatures: 23/25/29°C.
Fire resistance class 0.



DIRECTIONAL – Mascagni PCM – Thermal wall equipment.
5 available standard temperatures:
18/21/23/25/29°C.
Fire resistance class E.



- More Comfort
- Energy Saving
- Great Resilience



- Maximum resistance to fire
- Excellent conductivity Thermal
- Excellent sound insulation

ALCUNE APPLICAZIONI ESEGUITE

Management offices
AUNDE ITALIA SPA



Meeting room
RAY-BAN



Public school



Board room
CVA S.p.A.



Residential Belluno



Container Nzeb
for UNIRC



Biosphera Equilibrium



Climatic chamber
for UNIRC



Hotellerie de Mascognaz
4 Star hotel.



Manufacturing industry

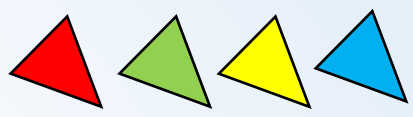


Residential Cadro - Svizzera
Canton Ticino



- Reduces the extreme temperatures
- Energy saving
- Solutions for animal welfare

- Maximum resistance to fire
- Excellent conductivity Thermal
- Excellent sound insulation



Sound insulation and sound absorption systems



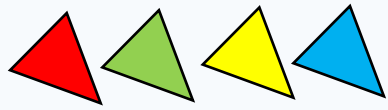
Products



Solution



Investigations of instruments
Pre and Post installation



Innovative systems for destratification of air



Solutions for residential
and management



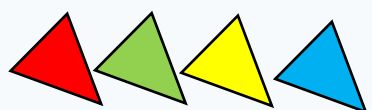
Solutions for industry, sports
centers, greenhouses and
farms



Solutions for large
distribution



Solutions for places of
worship and theatres



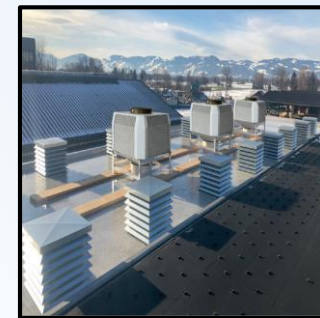
Air conditioning with adiabatic technology The super efficient natural air conditioning



Industry and logistics



Buildings in desert areas



Data center buildings



Phase Change Material High-Tech



e-4e Srl Phase Change Material High-Tech

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ASTM E96

ASTM E84
TESTING