



MIG-ESP[®]

DECARBONISATION WITH
ACTIVE "LOW-E" FUNCTION





MIG-ESP[®] ACTIVE COATING SYSTEM

Who we are

**Research-oriented manufacturer
of advanced building materials**

Environmental sustainability

Fire protection

Indoor air quality

Facade durability

What we do

Thermal comfort

Antimicrobial effect

Energy efficiency

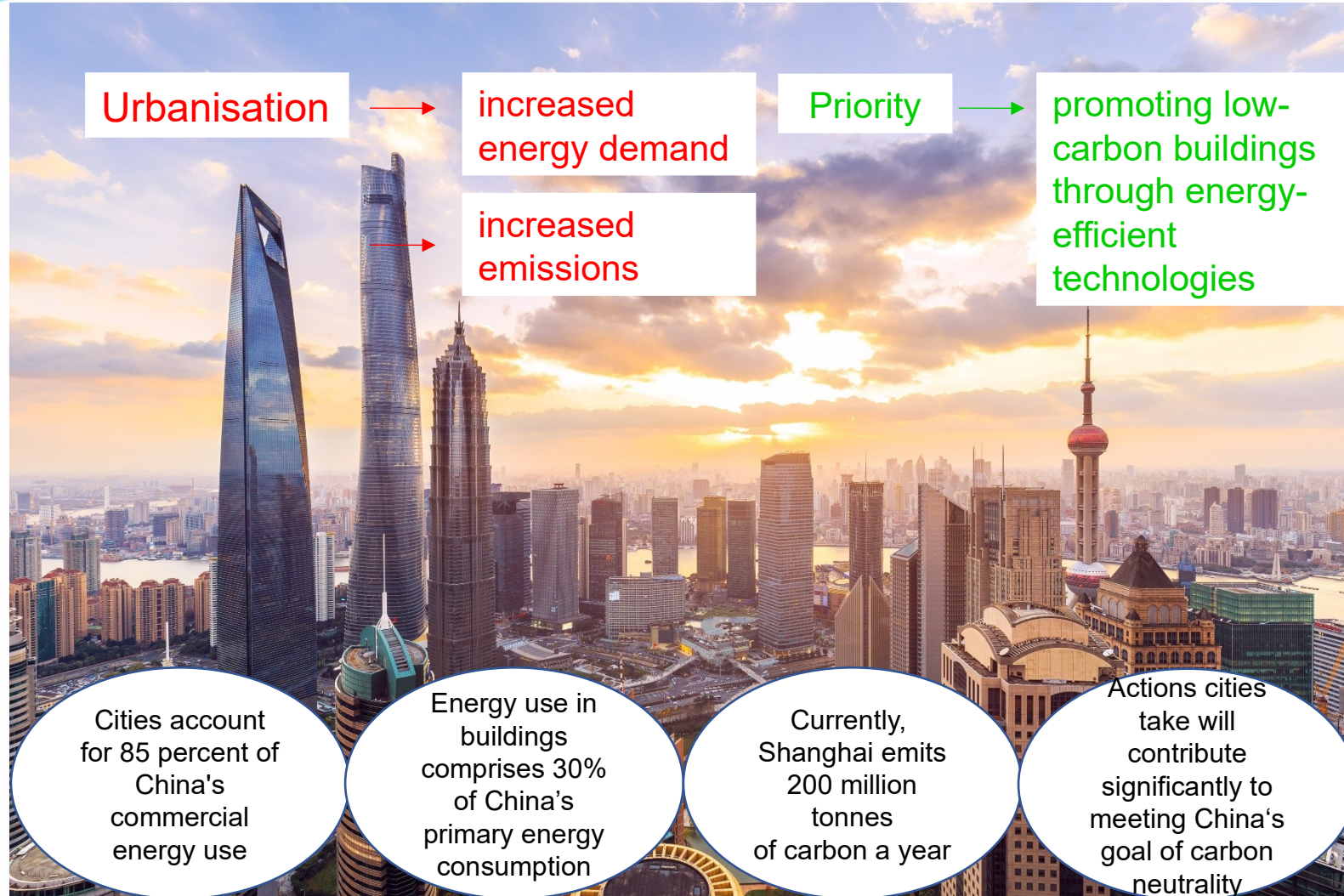
Cost effectiveness

Why we're here





MIG-ESP[®] ACTIVE COATING SYSTEM





MIG-ESP[®] ACTIVE COATING SYSTEM

Our solution:

MIG-ESP[®]
Active Coating System

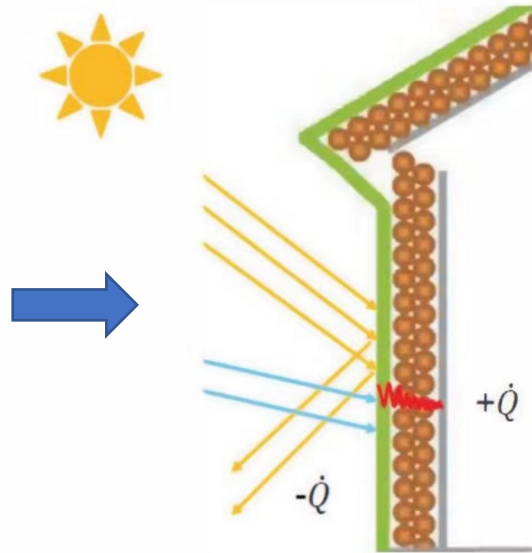




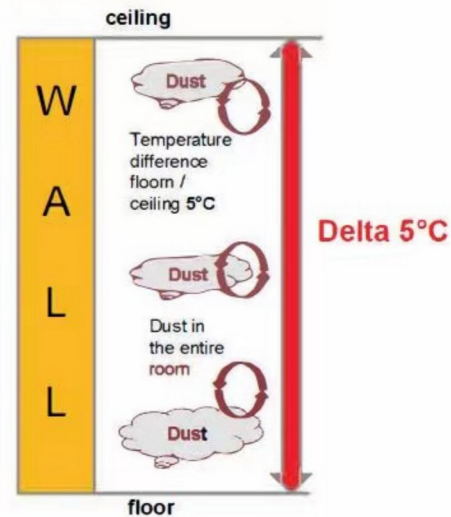
MIG-ESP[®] : Improving your microclimate

➤ **Thin-layer insulation**

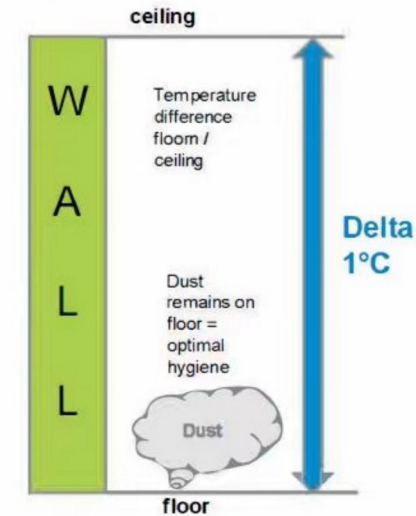
➤ **Low-e**



Case 1:
wall without coating



Case 2:
wall with MIG coating



- ✓ **Balancing temperature and humidity**
- ✓ **Better indoor air quality**

- ✓ **Mould-free**
- ✓ **Odour control**
- ✓ **Anti-bacterial**



Insulating your building

Against:

☀ **Hot and humid summer**

❄ **Cold winter**



For:

⚡ **Energy efficiency**

🌍 **Carbon reduction**

😊 **Thermal comfort**

🌿 **Health benefits**

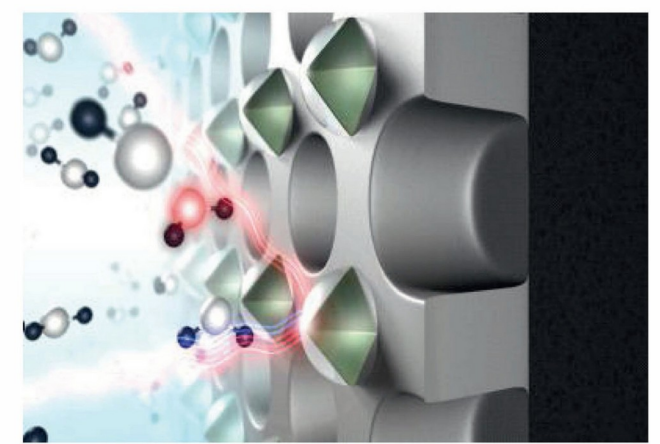
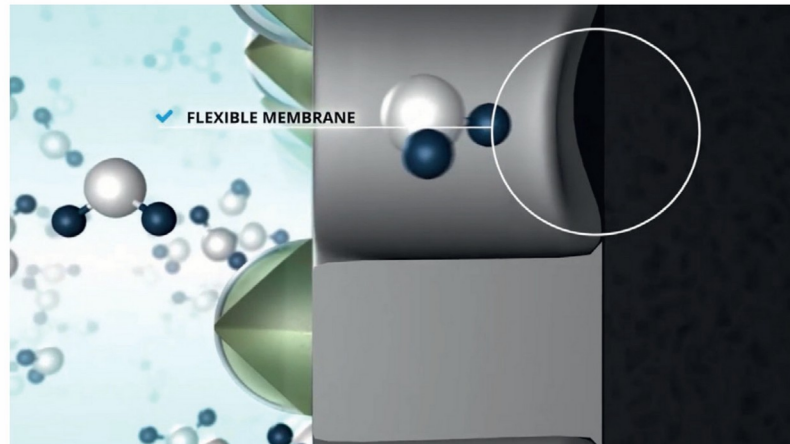
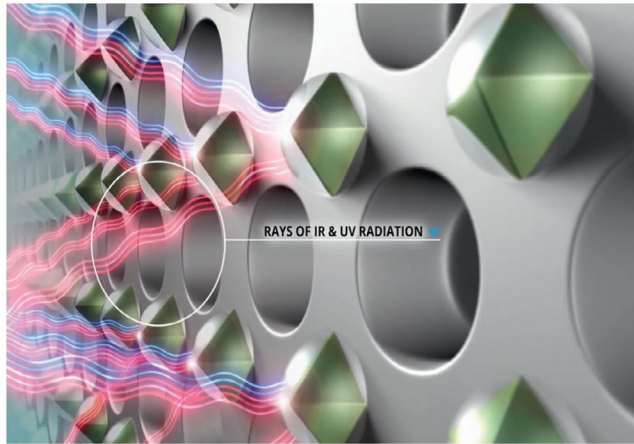
🔥 **Fire protection**

🏠 **Facade longevity**



How does it work?

DHMB[®] Double Hybrid Membrane Technology



Reflection of solar radiation (UV/IR/visible) + Moisture management

- ✓ Energy retention
- ✓ Dry wall \neq condensation \neq mould and microbial growth



Key Innovator

for active façade insulation system

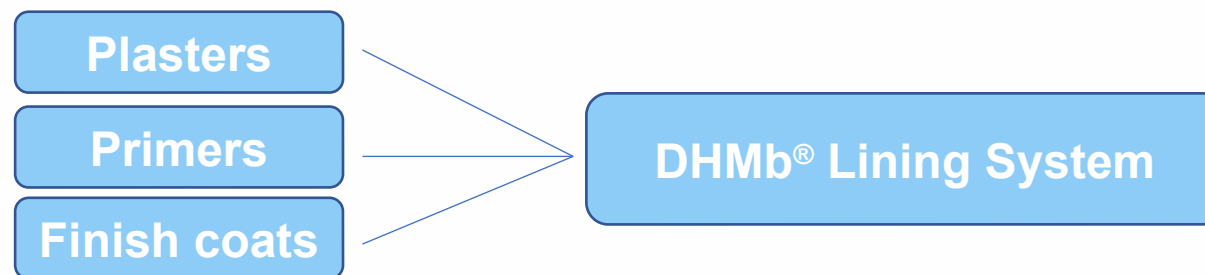
recognised by the EU Innovation Radar, a European Commission initiative to identify top EU-funded innovators and their innovations

<http://www.innoradar.eu/innovator/934661058>





Product family



INTERIOR

**Decarbonisation
Solutions**

EXTERIOR

Indoor Air
Quality

Hygiene

Façade
Longevity

Fire
Resistance

Anti-
condensation

Cooling &
Heat
Reflection

UV Reflection

Roof
Protection

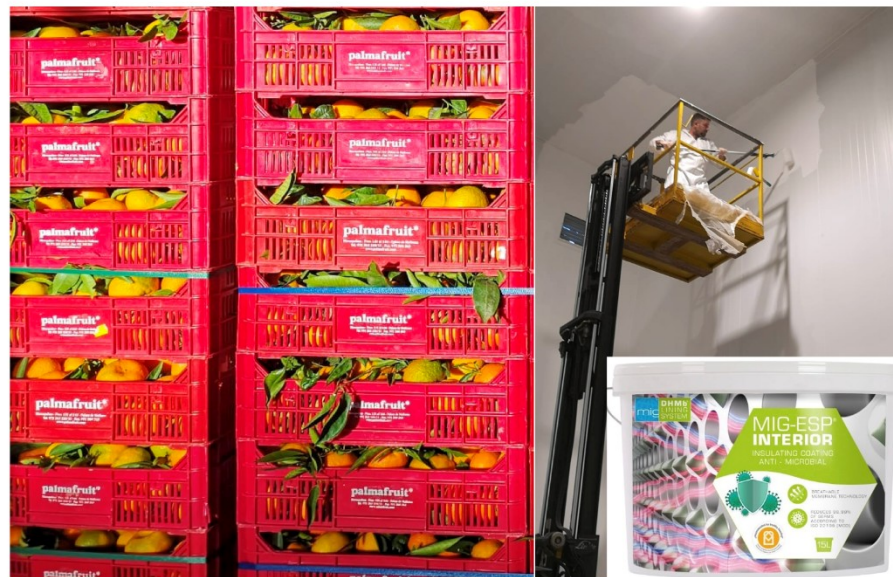


MIG-ESP® ACTIVE COATING SYSTEM

MIG-ESP Active Coating System

Refrigerated warehouse palmafruit in Mallorca 2021

Cooling
storage
solution



palmafruit

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MIG mbH
Material Innovative Gesellschaft

Am Grarock 3
33154 Salzkotten
Germany

Palma de Mallorca, March 2022

Reference Letter Cold Store Palma de Mallorca

Dear Sir or Madam,

In early November, one of our cold stores with a total area of walls and ceilings of approx. 300 sqm was coated with MIG-ESP® DHMb membrane thin-layer insulation.

We're delighted to say that the result has far exceeded our expectations.

In addition to a dry and germ-free surface, our measurements showed an energy saving of over 20% already after the first month in December.

The energy savings added up to a total of over €1000 in electricity costs.

Therefore, it was an easy decision for us to coat further cold stores with MIG-ESP® in order to make a significant contribution to the energy transition and CO₂ emissions reduction.

Our sincere thanks go to all the employees and developers of MIG Material Innovative Gesellschaft mbH in Salzkotten.

We look forward to our lasting and successful cooperation.

Yours faithfully,

Management
Palmafruit S.A.

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Areas of application

Commercial

Food processing facility
Hotel
Kitchen
Office
Restaurant

Industry

Cold room & refrigeration
Data centre
Roof
Steel hall
Tobacco curing chamber

Public spaces

Care home
Hospital
Kindergarten
School
Universities

Residential

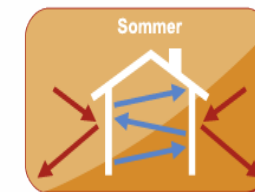
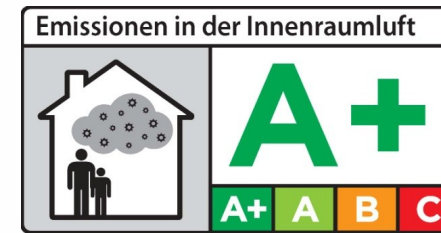
Heritage buildings
High-rise apartment
House
Villa





MIG-ESP® ACTIVE COATING SYSTEM

Certifications and memberships





Contact Info

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