



New materials for a more sustainable construction sector

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Saint-Gobain Placo



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THE SAINT-GOBAIN GROUP

THE REZBUILD PROJECT

MATERIALS DEVELOPED WITHIN REZBUILD

COMMITTED FOR THE FUTURE

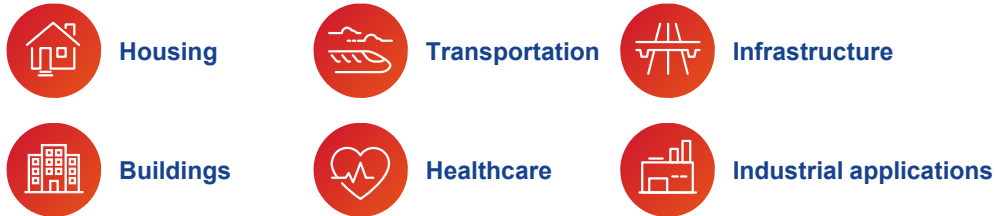
THE SAINT-GOBAIN GROUP



OUR MISSION

Saint-Gobain designs, manufactures and distributes materials and solutions which are key ingredients in the wellbeing of each of us and the future of all.

These materials can be found everywhere in our daily life:



They provide comfort, performance, safety and security, while addressing the challenges of sustainable construction, resource efficiency and climate change



A STRONG GLOBAL GROUP

More than

170,000

employees and over
100 nationalities represented



One of top 100 **most innovative** groups in the world for the last 9 years

Founded over

350 YEARS
AGO

Around

1,000

manufacturing facilities
worldwide



Commitment:
carbon neutrality
in 2050

2019 TURNOVER

€42.6BN

About

4,000

sales outlets



European or World leadership positions in most of our businesses

+4.7 %

€3.4BN

2019 Operating income

Our organization

4 consolidated Regions



Americas

Southern Europe, Middle East, Africa

Northern Europe

Asia-Pacific

and one global entity

High Performance Solutions

CORE TO OUR BUSINESS PORTFOLIO, MATERIALS EXPERTISE

Strong expertise in materials science



Materials for comfortable and sustainable buildings



Materials distributed thanks to an extensive geographical network and efficient logistics



DESIGN

MANUFACTURE

DISTRIBUTE



Materials co-developed with our customers



State-of-the-art materials for critical industrial applications



In-depth customer knowledge for a personalized digital experience



The RezBuild project

Kistefos museum – Jevnaker, Norway

WHAT IS REZBUILD PROJECT

The REZBUILD project aims to define a collaborative refurbishment ecosystem of materials and methodologies for achieving Near Zero Energy Buildings (NZEB).

This project is awarded by the European Commission through a H2020 programme Grant of € 6,996,128.25 and a total budget of €9,038,208.75. REZBUILD started in October 2017 and will run for 4 years.

ENERGY
REDUCTION 

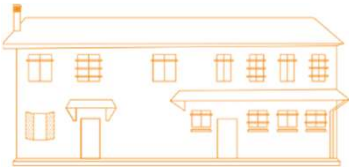
TIME SAVING 

RAPID PAYBACK 

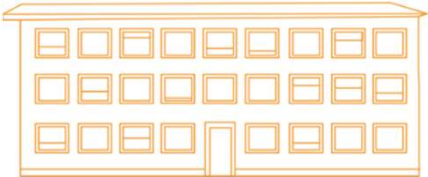
PARTNERS AND DEMO BUILDINGS SCENARIOS



SINGLE-FAMILY BUILDING
LOCATED IN MADRID (SPAIN)



TERRACED HOUSE
BUILDING LOCATED IN
VENICE (ITALY)



APPARTMENT BLOCK BUILDING
LOCATED IN OSLO (NORWAY)



The image shows the Vessel at Hudson Yards in New York City at night. The structure is a large, multi-story, hexagonal lattice of copper-clad steel beams, illuminated from within, creating a warm, glowing effect. It stands in the middle of a city block, surrounded by other modern skyscrapers with glass facades and lit-up windows. The sky is a deep blue, indicating twilight. The overall scene is a vibrant urban landscape.

**SG Placo materials
developed within
RezBuild**

The Vessel – New York, USA

PlacoHermetic®. A gypsum-based airtightness solution



Thin layer gypsum spray plaster for Passive house-like Airtightness (<0,6ren/h)

Highly formulated spray plaster applied in 6mm layer, crack-proof even on high-absorbing substrates

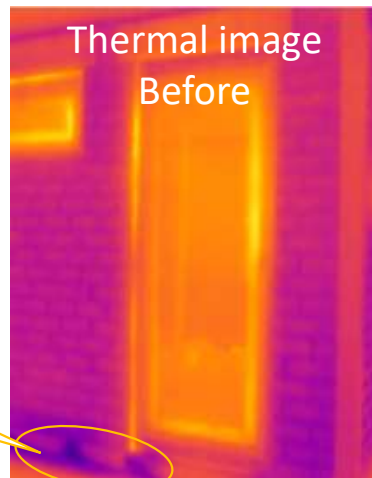
High performance (1 full house/2 workers/1 working day)

High pool of existing workers able to apply the solution

Same spraying machine than traditional spray plasters

Lower cost than membrane solutions

Conformance validated with a DAU (similar to ETA)



Gypsum-based internal insulation



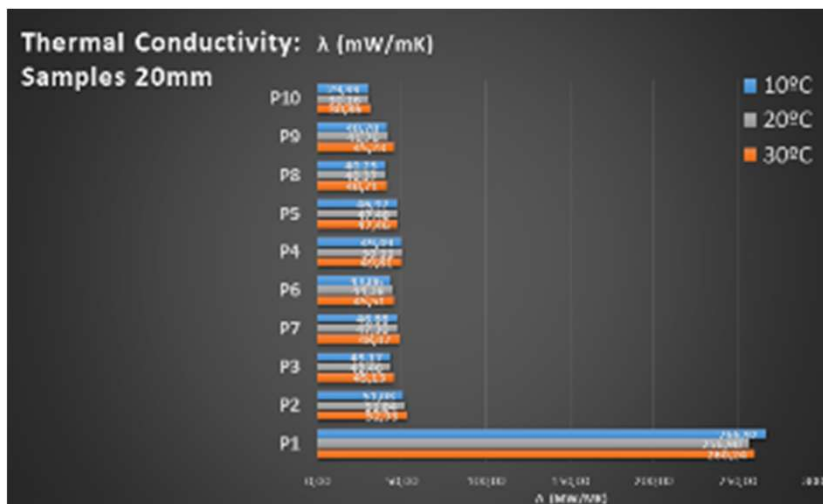
Gypsum spray plaster with insulating lightweight aggregates

Thick layer spray plaster formulated with highly-efficient lightweight and nanoporous aggregates, for internal insulation

Very good performance, but at a high cost due to aerogel



Figure 1. Application test



PlacoTherm V[®]. A gypsum-based external insulation system

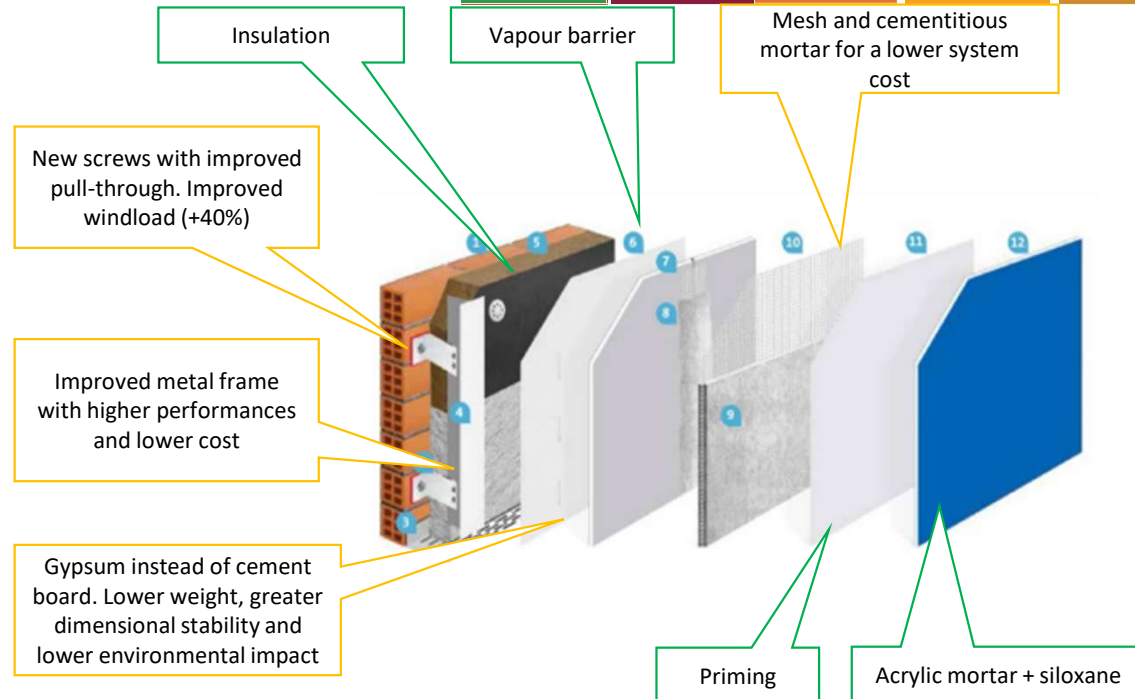
Versatile gypsum-based cladding façade for external renovation

Improves envelope thermal insulation, fire performance, acoustics and aesthetics

Multiple configurations: with or without ventilated camera, can be finished with mortar and paint or almost any external material (organic mineral, metallic, ceramic...)

Lower environmental footprint compared to similar systems

Validated with DAU





Committed for the future

Beijing-Daxing international airport, China

+350 years looking at the future



1665: Mirror manufacturing for the Palace of Versailles



Museum of the future, Dubai UAE

+350 years looking at the future

Design, produce and distribute materials and solutions that are key ingredients in the well-being of each of us and the future of all, taking into account the expectations of our key stakeholders:

- Employees
- End users
- Clients
- Suppliers
- Civil society
- Local communities
- Investors
- Regulatory authorities



CARBON NEUTRALITY AT THE CORE OF THE GROUP'S STRATEGY



14.5%:
reduction in CO₂ emissions
between 2010 and 2019

Target: -20% in 2025



2050 goal: Net Zero Carbon

Internal carbon price

Incorporated into decision-making procedures concerning investments and R&D projects

*

Saint-Gobain has appeared for the last 2 years on the

Climate Change – CDP 'A List'

*

60% of our portfolio

contributes directly or indirectly to the reduction of CO₂ emissions



Sustainability is in our DNA... for lasting another 350 years more!

Gypsum is infinitely recyclable without affecting its properties



Sustainability in our DNA... for lasting another 350 years more!

EPD: One step beyond. 3rd party verified EPD's from product to system to a full house



Villa Vera. First full house with EPD in Spain. Made with SG Placo materials





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