

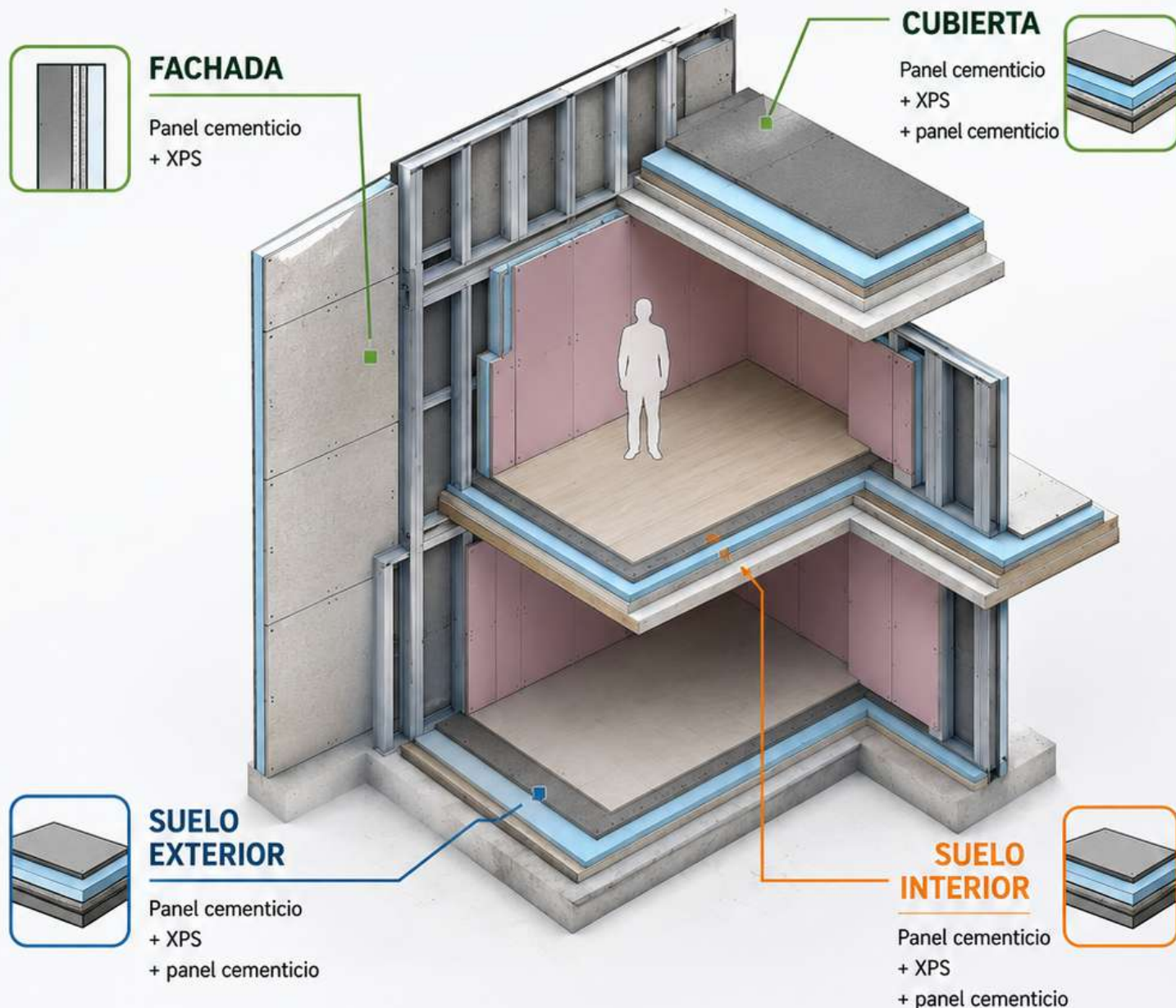
# MS Panels

## INDUSTRIALIZED ENVELOPE SYSTEM

Cement board + XPS insulation



# UN SISTEMA PARA LA ENVOLVENTE COMPLETA



## SISTEMA COMPLETO

Soluciones integradas  
para toda la envolvente



## EFICIENCIA TÉRMICA

Aislamiento continuo  
XPS de altas prestaciones



## CONFORT ACÚSTICO

Mejores prestaciones  
acústicas



## CONSTRUCCIÓN INDUSTRIALIZADA

Procesos más rápidos,  
precisos y eficientes

# MS PANELS

## Plataforma de Envolvente Industrializada

**MS PANELS** es la plataforma de sistemas de envolvente desarrollada e integrada por **Metallic Solutions**.

Integra diferentes tecnologías de paneles para trabajar con estructuras ligeras de acero o madera, optimizando los procesos de construcción industrializada.

**MS PANELS** permite ejecutar envolventes completas para fachadas, cubiertas y suelos, con altas prestaciones térmicas, acústicas y estructurales.



### INDUSTRIALIZACIÓN

Procesos más rápidos y precisos



### ALTAS PRESTACIONES

Térmicas, acústicas y estructurales



### SOSTENIBILIDAD

Menor impacto ambiental



### FLEXIBILIDAD

Adaptable a múltiples estructuras y acabados

## UN SISTEMA PARA LA ENVOLVENTE COMPLETA

### FACHADA

Panel cementicio + XPS



### CUBIERTA

Panel cementicio + XPS + panel cementicio



### SUELO - EXTERIOR

Panel cementicio + XPS + panel cementicio



### SUELO - INTERIOR

Panel cementicio + XPS + panel cementicio



## MÚLTIPLES SOLUCIONES DISPONIBLES

**MS PANELS** integra distintos fabricantes y tecnologías para adaptarse a cada proyecto y mercado.



Diferentes tecnologías de paneles



Configuraciones según necesidades del proyecto



Soluciones con marcado CE disponibles



Opciones para fachada, cubierta y suelo

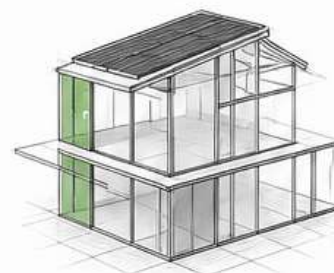


Sistemas personalizables y escalables

## SOLUCIONES INDUSTRIALIZADAS FLEXIBLES

**MS PANELS** se adapta a:

- ✓ Requerimientos del proyecto
- ✓ Condiciones climáticas
- ✓ Normativa local
- ✓ Prestaciones técnicas
- ✓ Disponibilidad de mercado



**MS PANELS: UNA PLATAFORMA, MÚLTIPLES POSIBILIDADES.**

La solución adecuada para cada proyecto.

**METALLIC SOLUTIONS**

# MS Panels

## INDUSTRIALIZED ENVELOPE SYSTEM

Cement board + XPS composite panels



### KEY ADVANTAGES

-  Lightweight industrialized system
-  High thermal efficiency
-  Excellent acoustic performance
-  Compatible with steel frame or timber frame structures
-  Faster construction time
-  Fire protection  
A2-s1,d0 Reaction to Fire

# FINISHED FACADE SYSTEM

## Integrated facade cladding solutions

**MS facade panels** can be supplied with **integrated exterior finishes**, allowing the façade to be installed as a ready-to-assemble industrialized system.

The cladding layer is applied directly onto the cement board panel, creating a **composite facade element** that integrates insulation, structure and exterior finish in a single panel.

This solution significantly **reduces installation time** and **improves construction quality** by ensuring factory-controlled finishing conditions.



## AVAILABLE CLADDING OPTIONS

Panels can incorporate different exterior finishes, including:

Stone veneer



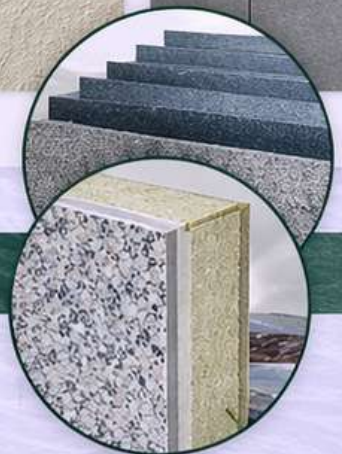
Ceramic cladding



Mineral coatings



Architectural panels



## MAIN ADVANTAGES



Integrated  
facade solution



Faster facade  
installation



Reduced  
on-site labor



Wide range of  
textures and colors

Fully compatible  
with MS facade  
system

# ROOF & FLOOR PANEL SYSTEMS

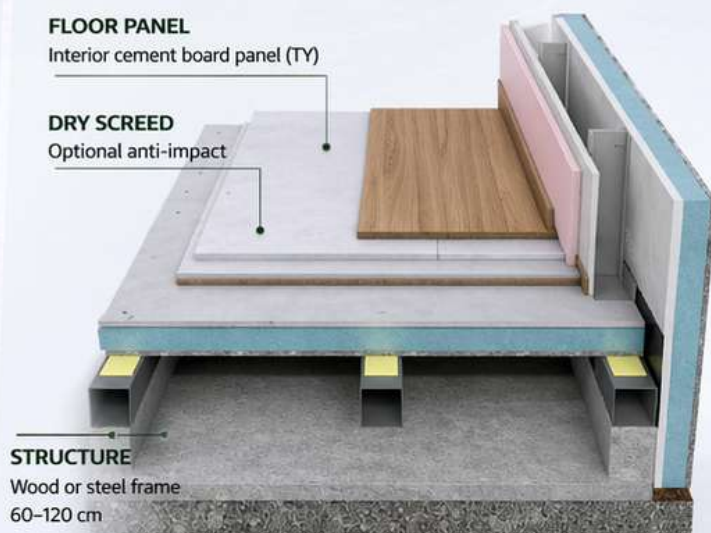
Cement board + XPS + cement board



## ROOF PANEL SYSTEM



## FLOOR PANEL SYSTEM



## PERFORMANCE



### FP FIRE PROTECTION

Reaction to fire  
(cement board):  
**A2-s1,d0**



### TH THERMAL PERFORMANCE

$U = 0.42 \text{ W/m}^2\text{K}$   
(40mm XPS)  
 $U = 0.14 \text{ W/m}^2\text{K}$   
(200mm XPS)



### AC ACOUSTIC PERFORMANCE

- Airborne insulation:  
**> 57 dBA**
- Impact reduction:  
**< 64 dB**



### SC STRUCTURAL CAPACITY

Maximum load  
**> 2,000 kg/m<sup>2</sup>**



### WA WATERPROOFING

Impermeability grade:  
**According to membrane system**

## FINISHING OPTIONS

- Direct waterproof membrane



- Ceramic paving



- Inverted roof with gravel



- Green roof system



- Floating flooring systems



- Mortar-bonded ceramic flooring



# APPLICATIONS

## MS Panels Industrialized Envelope System

MS Panels are ideal for a wide range of building types, especially for projects requiring industrialized, energy-efficient, and fast-track construction.



### RESIDENTIAL BUILDINGS

Single-family and multi-family residential buildings.



### HOTELS & RESORTS

Fast and efficient hotel and tourism projects.



### MODULAR CONSTRUCTION

Perfect integration with off-site modular systems.



### INDUSTRIAL & COMMERCIAL BUILDINGS

Lightweight solution for logistics and commercial buildings.



### CARIBBEAN & TROPICAL CLIMATE

Built to withstand humidity, wind, and challenging weather conditions.