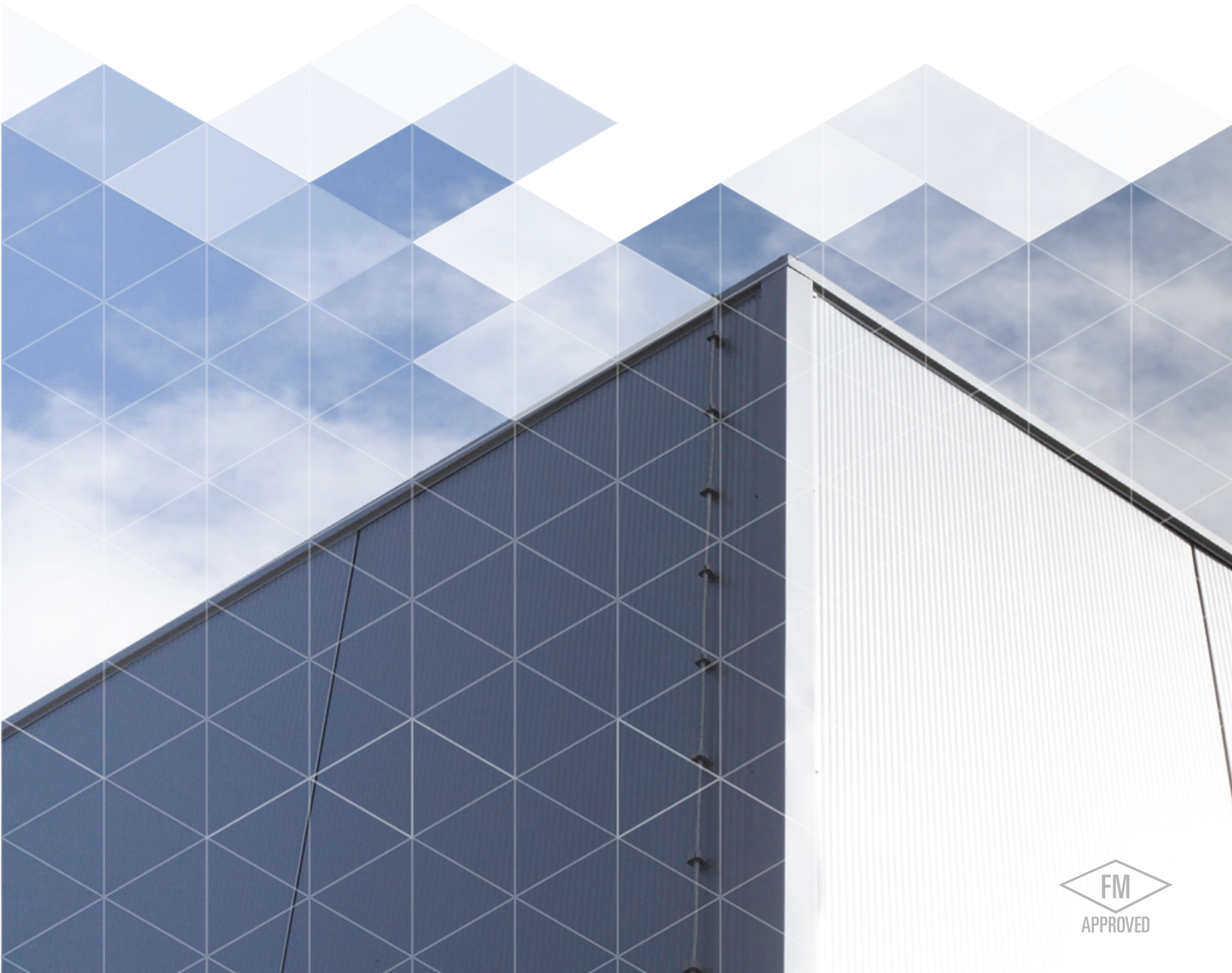
PART OF MANNI GROUP

isocindu
BUILDING ENVELOPE SOLUTIONS
Cindu - Manni Group J.V.

FM Approvals

Product Performance and Certification



FM APPROVED

FM Approvals

Product Performance and Certification

Enhanced Security and Value

With the FM Approved mark, Isocindu certifies the performance and functionality of insulated metal panels in extremely demanding environmental conditions, such as natural disasters and fires, according to internationally recognized tests and procedures.

FM Approvals is an international leader in certification and approval services, which is part of FM Global, a global construction risk manager and insurer.

FM typically evaluates fire detectors, fire protection foam, insulation panels, cladding and wall and ceiling materials.

The goal is to verify that building systems meet high standards of quality, technical integrity and performance through a global certification process backed by testing and research.

Obtaining FM Approved Certificates

FM Approvals is the only organization that tests products for fire performance and their ability to withstand natural disasters without compromising the building structure.

The Isocindu insulated panel system is FM Approved and has been tested to ensure that it performs its intended functions while maintaining the integrity of the building envelope according to the established design conditions.

FM Approved Certificate Benefits

- **Environmental resistance:** FM-certified insulated metal panels are designed to withstand extreme environmental conditions, such as high temperatures, humidity, high winds, among others.

- **High quality and durability:** FM certification involves a rigorous evaluation of the quality and durability of the insulated panels. This ensures that the panels meet exacting standards and are manufactured with high quality materials.

- **Regulatory compliance:** FM certified panels comply with applicable safety regulations and standards. This includes building codes, fire protection regulations and other local and international regulations.

- **Damage and loss reduction:** FM certified panels are designed to minimize the damages and losses in the event of a fire or catastrophic event. Their fire resistance and containment capabilities help limit the spread of fire and protect adjoining areas.

- **Insurance policy payment reductions:** Insurance companies constantly evaluate the risk associated with different types of buildings and facilities. When it comes to protection, FM-certified insulated panels offer a significant advantage in terms of safety and fire resistance. This can lead to a reduction in insurance premiums.

FM Approvals

Product Performance and Certification

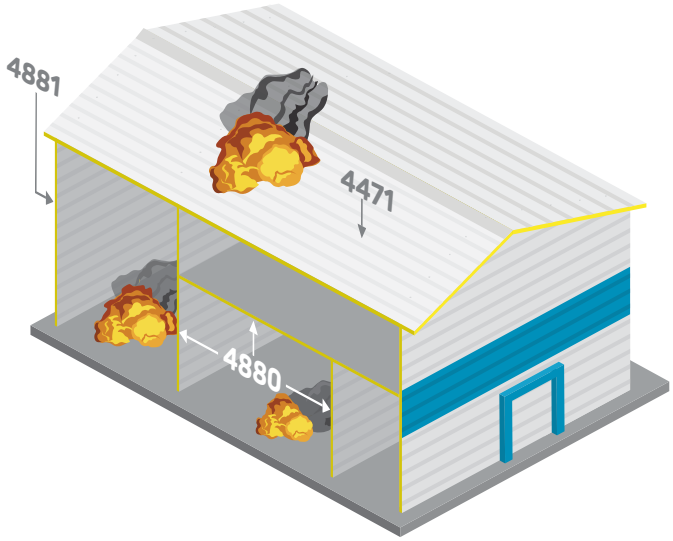
Isocindu with FM Approved

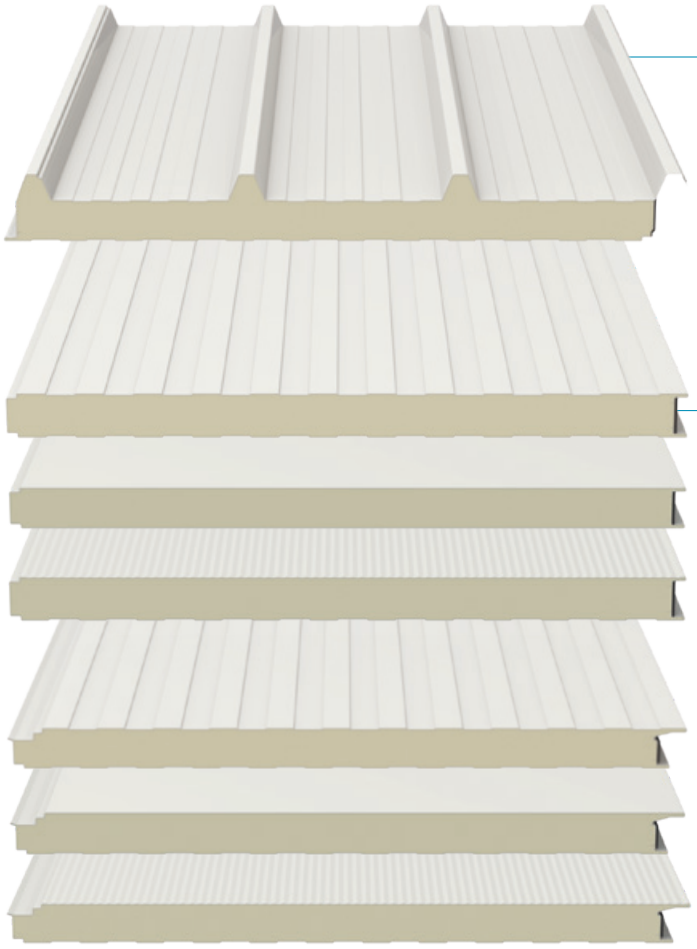
▸ **3 different systems:** Isocindu has three different insulated panel fastening systems, 2 wall systems and 1 roof system, which have been tested and certified to meet the requirements of approval standards 4880, 4881 and 4471.

▸ **7 Panel types:** Considering these 3 certified fastening systems, their availability can be extended to 7 different types of panels

▸ **7 Thicknesses:** They range from 1 5/8" to 6". This provides a wide range of options when specifying.

▸ **3 Gauges:** The Isocindu panel system is also certified in 28, 26 and 24 gauges, these different gauges allow the panel to be attributed to a wide range of projects.





Isocop

4471: Certification for Class 1 roof system, which regulates hail resistance, wind load and combustibility tests.

4.1	Combustibility below the Roof Deck
4.2	Combustibility above the Roof Deck
4.3	Wind Uplif Resistance
4.4	Foot Traffic Resistance Test
4.5	Hail Damage Resistance Test

Isobox & Isoparete *(Box, Striated, Flat)*

4880: Certification for reaction to fire of panels or interior finishing materials Class 1 that certifies the fire performance, ensuring maximum protection of the building.

4.1	Room Test
4.2	Flammability Characterization
4.3	16ft High Parallel Panel Test
4.6	Density of Insulating Cores
4.9	Ignition Properties
4.10	Heat Content
4.11	Ash Content

4881: Certification for reaction to fire of panels or interior finish materials Class 1, which guarantees to be used outdoors, in areas with risk of hurricanes and severe hail impacts.

4.1	Wind Pressure Rating
4.3	Hail Resistance Rating