



Sandwich-type insulated panel

Reaction to fire improved hook MFG

Male-Female coupling with Hook (MFG) consists of simply bringing the panels together and subsequent fixing with eccentric hooks embedded in polyurethane (variable pitch with min. 400 mm). The hooks consist of a plastic shell and a cam closing mechanism in galvanised steel.

The cam is actuated by inserting the special hex wrench in the holes in the panel sheet; the holes are closed with plastic caps after assembly.

The seal and the tightness of the joint is ensured by gaskets to be fitted during assembly.

This type of joining significantly reduces the time required for panel assembly operations.



Reference standard

Classification result

UNI EN ISO 11925-2

“Reaction to fire tests - Ignitability of building products subjected to direct impingement of flame - Part 2: Single-flame source test”.

UNI EN 13823

“Reaction to fire tests for building products - Building products excluding floorings exposed to the thermal attack by a single burning item”.

B - s2, d0

UNI EN 13501-1

“Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests”.

The **COSMA MFG PANEL**, concerning fire performance tests, has obtained the **class B** [very limited contribution to fire] and the following additional classifications:

s2: moderate emission of smoke

d0: absence of drops and/or particles set on fire

therefore in agreement with the European regulations of construction products, in compliance with UNI EN 14509 and UNI EN 13501-1, the reaction to fire classification is the following:

B - s2, d0

The complete test reports are available for consultation at the head office of Cosma Impianti srl.