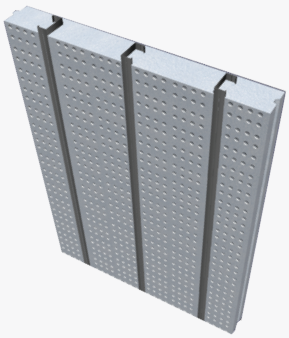
STEELFOAM
CONSTRUCTION

COMMERCIAL SPECIFICATIONS

Description

FANOSA® Steelfoam is a panel used in walls that uses innovative technology to maximize energy efficiency throughout the life of a building. It is custom-made to fit project requirements with durable, resistant and recyclable materials and is ideal for use in the construction of high-rise buildings.



It is widely used in plug and/or curtain-wall type façades, partition walls, parapets, large spaces and architectural forms.





Components

Steelfoam is a panel that consists of 20 gauge 40.6 cm galvanized steel profiles and self-extinguishing expanded polystyrene with a 20 kg/m3 density; its configuration eliminates thermal bridges, delivering 100% insulation.

Advantages

1. Provides a system designed and manufactured for each specific project. It can be delivered in individual panels or as a whole façade, including openings for doors and windows.

2. It provides thermal insulation during the useful life of a building thus creating a comfortable interior while achieving considerable savings in energy consumption.

3. SteelFoam is a very lightweight system contributing minimal weight to the structure.

4. Installation is quick and easy due to its being a one piece, prefabricated, custom-made panel that covers one or more levels and does not require skilled labor.

5. Installation requires no cranes or special tools, thus reducing installation time resulting in cost-savings.

6. Because it is a modular system, it does not generate waste, facilitating a clean construction.

7. Ideal for future expansions and renovations.

8. Flexibility for any design.

9. Due to the texture of its surface, it improves coating adhesion.

10. It adds to the health and safety of a building since it is self-extinguishing and non-toxic.

11. It is weatherproof, it does not promote saltpeter or fungus, resists damage over time, it does not rust or rot and it is non-consumable by animals or insects. All of these attributes make SteelFoam a system of high durability.

12. Steelfoam facilitates placement of electrical or hydraulic installations in walls.

13. Made from 100% recyclable materials, SteelFoam is environmentally friendly.

Efficiency

Quick installation is one of the main features of SteelFoam. The panel is delivered according to the requirements of the project and is attached to the existing structure thus eliminating wasted, time spent cutting the material, and the need for skilled labor.

Daily performance of installation per crew *	
Steelfoam	+ de 150 m^2/Workday
Sheetrock Wall	35 m^2/Workday
Concrete Block Wall	11.13 m^2/Workday
Brick Wall	9.8 m^2/Workday

* Crew of four workers.
Note: Installation without surface finishes

Surfaces

Both sides of Steelfoam have a novel engraving to promote adhesion of coatings, eliminating the need to scrape the surface.

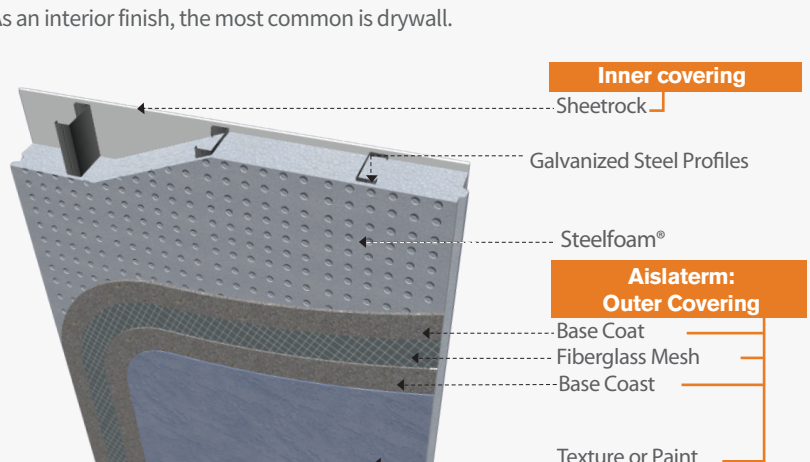
Finishes

In this market, a wide variety of finishes are available, which are ideal for Steelfoam walls. For outdoor applications, cement-based acrylic pastes, reinforced with fiberglass mesh, can be used as well as cement sheetrock, false brick panels, textures, etc. For interior applications the most common finishes used are textures, sheetrock, and plaster.

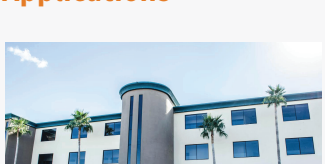
Aislaterm - Finishes

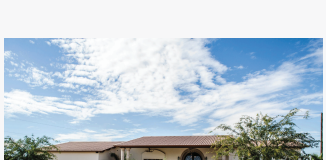
In this market, a wide variety of finishes are available, which are ideal for Steelfoam walls. For outdoor applications, cement-based acrylic pastes, reinforced with fiberglass mesh, can be used as well as cement sheetrock, false brick panels, textures, etc. For interior applications the most common finishes used are textures, sheetrock, and plaster.

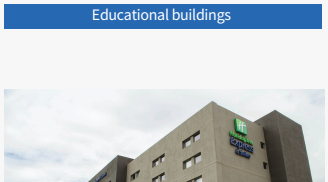
As an interior finish, the most common is drywall.

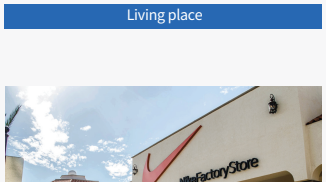


Applications

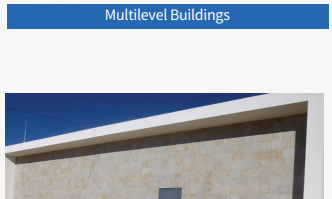

Educational buildings

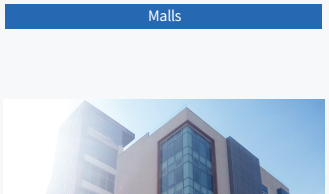

Living place

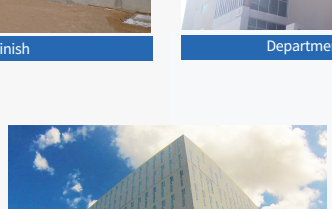

Multilevel Buildings



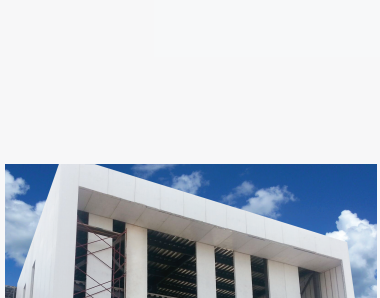
Malls


Stone Finish


Departmental Buildings


Cinemas


Hotels


Commercial buildings