

Light steel frame

FLAT PACKED

Light steel framing can be clad and insulated with a wide range of materials. **It is particularly suited for export, since you can choose the option “flat packed”.** This option means that we will send you the profiles needed to erect a structure, but they will not be pre-assembled (photos below). That way the transport will be easier to arrange, due to the fact that the profiles will occupy a smaller percentage of space.

We provide you a technical project designed in 3D with indications for assembling the structure. If you are a developer, for the first constructions we can even help you with our construction team for the montage.

Our prices include the architectural project, the resistances projects and the technical projects, in order to help our clients. However, these projects need to be signed by an architect and a project engineer, due to the different norms or regulations for construction in every country.

Light steel structures have many advantages: they are light and allow fast building without heavy tools or equipment; every component can easily be carried by hand.

Light steel structures do not rot, shrink, warp, or decompose like wood structures, and can be used in different climatic areas.

Mexi Homes manufactures profiles of 140 mm width and 1.5 mm thickness for the resistance and exterior walls. The profiles used for roof and flooring are 190 mm with 1.5 thickness. Due to these dimensions, the buildings erected with Mexi Homes profiles are highly resistant.

Material: structural steel S350 with a zinc layer Z275g/m². Every profile is zinc-coated, debited, ready for construction. This type of construction complies under the European standards of metallic construction.

The light steel structures have high seismic resistance because of the flexibility of the construction system, since the entire structure is screwed. The durability of this type of constructions is also high due to the basic characteristics of the steel and its low need for maintenance over the years.



In terms of internal area, the space available is larger since the section of the walls is reduced. This construction system provides greater freedom and creativity at architectural level, enabling designs with large voids and consoles with various dimensions.

The structural steel sections are called cold formed sections, meaning that the sections are formed or given shape at room temperature. The steel used is coated with zinc (called galvanized) to protect it from corrosion.