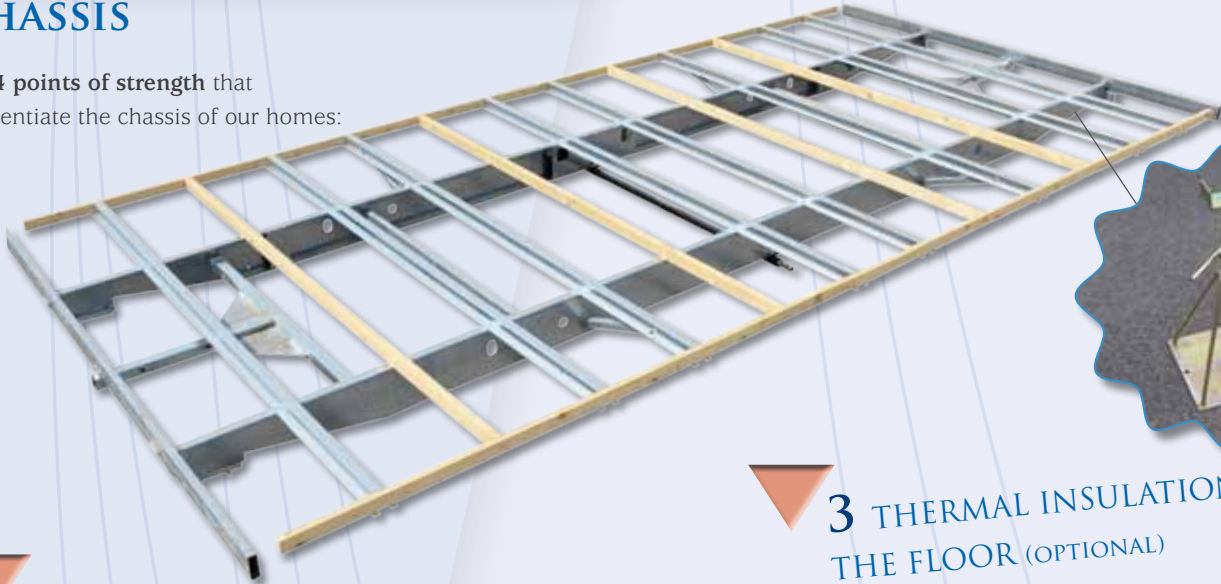


TECHNICAL DETAILS

A continuous
evolving innovation

CHASSIS

The 4 points of strength that differentiate the chassis of our homes:



1 SOLIDITY AND STABILITY

The whole chassis is made in zinc-plated steel to provide maximum solidity and stability to the mobile home frame.

2 RESISTANCE TO CORROSION

The steel section, constituted by press-formed profile sections obtained from coils zinc-plated with a SENDZIMIR process, protects the surfaces more effectively from atmospheric corrosion, caused by the climatic conditions of the site of installation and by presence of aggressive agents in the atmosphere, like nitrogen oxide (resulting from urban and industrial activities) and chlorides (normally present in coastal areas).

3 THERMAL INSULATION OF THE FLOOR (OPTIONAL)

On request, the floor of mobile homes can be insulated. The insulation is made of sandwich panels in metal sheet and foam polyurethane.

4 SIMPLIFIED LEVELLING

The chassis can be levelled by simply positioning the stabilizers, supplied with every mobile home, in the locations shown on the right and left side of the chassis crossboard.

BASE with a thickness of 22 mm

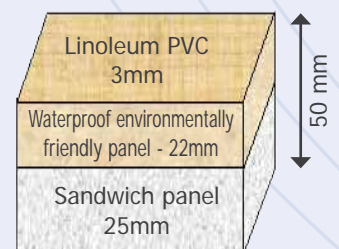
The 2 points of strength that differentiate the base:

1 LONG-TERM RESISTANCE

The base, consist in a 22 mm thick waterproof hardboard panel. Under customer request the base can be insulated putting a sandwich panel, that thanks to the closed cells structure of the foam polyurethane inside of it prevents the formation of water molecules in the insulation layer. That way a perfect insulation from the agents present in the underlying ground and long-term insulation are guaranteed.

2 GREATER LOAD-BEARING CAPACITY

The insulated plate further increases the load-bearing capacity of the floor, thus increasing the robustness and reliability of the mobile home frame over time.



INSULATED BASE



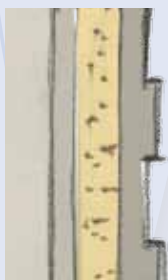
ENVIRONMENTAL-FRIENDLY PANELS: Shelbox is very sensitive to environmental issues and in particular to the indiscriminate felling of trees. The choice of using environmentally-friendly panels reflects this attitude: manufacturers who choose this material help to reduce the felling of trees and offer furniture that meets new market trends and is manufactured with solid, unshrinkable and highly resistant material.

EXTERNAL AND INTERNAL WALLS

Our mobile homes can be fitted with two types of external walls:

1 - Steel panel

Sandwich panel made of self-extinguishing foam polyurethane. This type of panel is manufactured using a widely experimented process, known as “continuous”, that ensures a consistent distribution of the insulating material and prevents the formation of air pockets (that causes the swelling of the panel). In addition to guaranteeing a complete insulation of the building, this sandwich panel is self-supporting and relatively light.



2 - Wooden frame

This self-supporting frame is made in real wood, insulated with polystyrene and internally finished with a hardboard panel coated with a PVC sheet.

The added value of the frame derives from its capacity to prevent the formation of humidity and mould thanks to its internal ventilation system. The frame can be finished with two types of coatings:

A - Rigid PVC

Wide range of colours, mechanical robustness, easy to clean, optimum finish and no specific maintenance requirements.



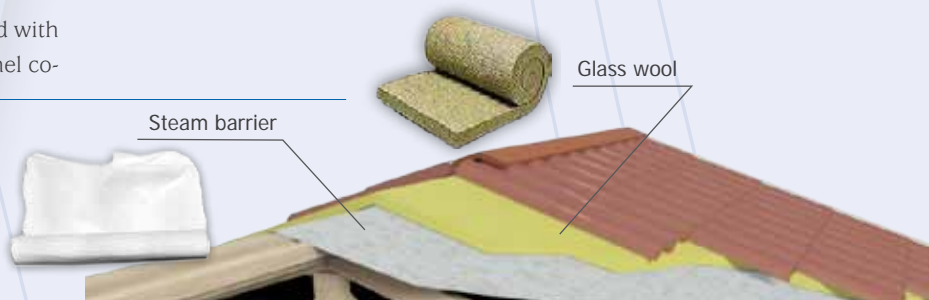
B - Fir beads

This natural and environmentally-friendly material offers a perfect combination in terms of energy savings, protection of the environment and excellent noise absorption properties.



Internal walls

Ureic chipboard panels with a thickness of **18 mm**.



ROOF

The two points of strength that differentiate the roofs of our mobile homes:

1 LONG-TERM RESISTANCE

The steam barrier, installed between the roof of the frame and the glass wool layer, prevents the formation of water molecules inside the insulation due to the presence of steam. This extends the performance of the insulating layer.

2 GREATER LOAD-BEARING CAPACITY

The load-bearing capacity of our roofs is 150 kg/m², that is twice the one prescribed in the current edition of standard UNI EN1647 – Class “B”. This value is guaranteed as standard on all models, except for the coupled model “Maddalena”, load bearing capacity of 50 kg/m² (class “A”) / insulation: types of insulation: floor insulation consisting of a 25mm sandwich panel in metal sheet and foam polyurethane/furniture: Made in waterproof chipboard 18 mm thick and 0.6mm thick edges in PVC.

INSULATION

Thermal insulation is one of the main “energy sources”, because it helps to create a healthy environment, maximises comfort inside the rooms and offers other significant economic advantages. The cleanest form of energy is the one that is

not consumed. In this sense, thermal insulation represents one of the most critical energy sources, because it enables to reduce the amount of energy consumed for heating purposes and thus save precious natural resources, in addition to preventing the release of hazardous or damaging substances, like carbon dioxide.

TYPES OF INSULATION

| | |
|----------|--|
| Standard | Roof insulated with a 50 mm glass wool layer |
| Standard | Double glazed doors and windows (4-15-4) |
| Standard | Floor insulation consisting of a 25 mm sandwich panel in sheet and foam polyurethane |

| | Classic | Trend | Gold |
|--|---------|-------|------|
| | ✓ | ✓ | ✓ |
| | | ✓ | ✓ |
| | | | ✓ |

GENERAL THERMAL INSULATION DATA FOR MOBILE HOMES

| Insulation class | Double glazed window | Double roof insulation | Insulated bed | Thermal transmittance - “U” |
|------------------|----------------------|------------------------|---------------|-----------------------------|
| 1 | No | No | No | 1,5 ÷ 1,7 W/(m2K) |
| 1 | Yes | No | No | 1,35 W/(m2K) |
| Close to | Yes | Yes | No | 1,25 W/(m2K) |
| 3 | Yes | Yes | Yes | 0,8 ÷ 1,0 W/(m2K) |

DESCRIPTION OF THE INSULATION CLASSES DEFINED IN STANDARD UNI EN 1647 “U” INDICATIVE VALUES

| Insulation class | Indicative value |
|------------------|------------------|
| 1 | U ≤ 1,75 W/(m2K) |
| *2 | U ≤ 1,75 W/(m2K) |
| 3 | U ≤ 1,20 W/(m2K) |

*Δt equivalent to at least 20°C between inside and outside with an external temperature of 20°C

FURNITURE

Made in flame-resistant **18 mm** thick hardboard with a thickness and **0.6 mm** thick edges in PVC.

