

## ACCOMMODATION CONTAINERS

The “CONFIND” accommodation container modules are destined to site layouts from different fields of activity: sites of civil and industrial buildings, roads and bridges, gas and oil fields. The modules are made in different constructive variants and with dimensions that allow the railway transportation or by carrier vehicles. The accommodation containers are fixed or mobile (mounted on road trailer chassis) and may be produced for various end-uses (studies, meeting halls, locker rooms, dining rooms, bedrooms, toilettes, warehouses, shops, snack-bars, cabins for different technological plants, etc.).

The accommodation container can be arranged in different assemblies both on horizontal and vertical, obtaining configurations required by each beneficiary in particular.

Optionally there are mounted and delivered the adequate inner endowments, according to the standards required by the client (furniture, inner partitions, heating plants or air-conditioning plants, sanitation, technological plants, etc.).

**The resistance structure** of the module is made of an iron frame made of steel rolled sections and steel plate sections, cold bent, assembled by welding.

The outer walls and the ceiling are made of “sandwich” boards (steel sheet pickled with polyurethane injected from inside), type “Ondatherm”, “Isopan” or “Oltpan”, with standard thickness, 40mm and optionally thickness up to 100mm.

**The protection roof** is made of pickled steel sheet, with a thickness of 1.25mm.

**The floor** is made of resinous timber, covered by linoleum or moquette. On request, according to module destination, the floor can be made of thermal insulation or of metallic materials (corrugated sheet iron, etc.).

**The carpentry** for doors and windows (standard 1 door and 2 windows) is made of aluminum sections, imported from Italy and it is equipped with thermopan glass, safety glass or anti-burglary glass. Optionally, the windows can be endowed with aluminum horizontal blinds and/or protected by metallic latticework.

**Anticorrosive protection** is provided by ground coating and painting for the metallic structure, the outer walls and the ceiling are painted in electrostatic field.

The sealing of carpentry elements is performed with polyurethane foam.

All outer joints are sealed with acrylic and silicon putties.

### Electric equipment

The module is equipped, in the standard variant, with 220V electric installation for interior lighting and plugs. Electric facilities, oil central heating, steam heating and solid fuel stoves can optionally provide the heating.

**Overall dimensions** of standard modules are according to ISO norms for containers of 10tf and 20tf:

<b>ISO dimensions</b>	<b>10tf</b>	<b>20tf</b>
Length	3000mm	6000mm
Width	2450mm	2450mm
Height	2600mm	2600mm

The specific weight that is reported to the base surface of the module is 125 kgf/m<sup>2</sup>.

**The module mobile bedroom “RD 4”**, mounted on a road trailer:

- Capacity 4 ÷ 6 beds
- Electric plant 220V / 24V
- Inertial hydraulic brake arrangement
- Maximum movement speed 25km/h
- Overall weight 2.9tf
- Service load of supporting trailer 4tf

Mechanical and thermal characteristics for hard and thermal polyurethane foam, injected inside the boards for walls and ceiling:

40mm polyurethane = 600mm brick = 960mm concrete

Specific coefficient for thermal transfer  $\lambda = 0.020 \text{ Kcal/mh}^\circ\text{C}$

Board thickness, mm	40	50	60	80	100
Thermal transfer Kcal/m <sup>2</sup> h <sup>o</sup> C	0.51	0.40	0.33	0.25	0.20

Fire resistance auto extinction  
Density  $\rho = 38 \pm 3 \text{ kg/m}^3$   
Compression strength  $\sigma = 1.4 \div 1.7 \text{ kgf/cm}^2$   
Tensile strength  $\sigma = 1.4 \div 1.7 \text{ kgf/cm}^2$   
Thermal stability  $\pm 0.95 \text{ at } 80^\circ\text{C}$   
Insulation is non – hygroscopic

The products are executed and delivered in maximum 30 days from contract signing and settlement of optional elements.

PRE-FABRICATED CONTAINERS







