

## VARIABILITY OF LIVING AND SANITARY CONTAINERS

It is basically possible to construct anything from living and sanitary modules. Almost all containers manufactured and assembled by **PEGAS CONTAINER s.r.o.** are of **atypical design**.

The only restriction on module construction is the size of the containers, mainly due to transport. That is why we recommend for modules a maximum clear height of 3m and a maximum ground plan of one module of 12 x 3m. Given the ratio of transport price to useful area the best floor plan is 9 x 3m.

## TECHNICAL DESCRIPTION OF LIVING CONTAINER WITH STANDARD DESIGN

**Frame:** Steel structure welded under professional supervision from hollow and rolled profiles, self-supporting, provided with a prime anticorrosive coat and polyacrylate finishing, RAL paints of your choice; 8 container corners.

According to a structural engineer the type is twice stackable.

**Permitted floor load:** 2,500 N/m<sup>2</sup> ... *it is possible to increase the load according the client's requirements*

### **Floor structure:**

**Blind floor:** 0.5mm galvanized profile sheets are inserted between crossbeams  
**Insulation:** mineral wool, flammability class A1, EN 13501-1  
**Moisture stop:** 0.2mm moisture stop – polyethylene film  
**Floor panels:** 22mm particle board without formaldehydes, screwed to the steel beams, joints sealed and ground and supported by U-profiles from underneath in sanitary rooms 22mm cetris – cement-flake boards screwed to the steel beams, joints sealed and ground and supported by U-profiles from underneath  
**Flooring:** 1.5mm PVC flooring, laid in strips which are fully fused, joints are homogeneously welded, grey colour

Joints between the floor and walls are lined with hardened floor skirting boards, approx. 60mm high, white or grey colour

### **Structure of outer walls**

**Profile sheet:** 0.55mm galvanized profile sheet, painted according to your choice with RAL paints, depth of a corrugated sheet is 10mm, riveted to the galvanized U-profile of the wall structure, which is screwed to the steel frame  
**Insulation:** mineral wool put in the wall structure, flammable class A1, EN 13501-1  
**Moisture stop:** 0.2mm moisture stop – polyethylene film

Ventilation through the outer walls, dimpled sheet from outside, plastic grid with a fly net from inside. Cleaning of opening using PVC pipe with diameter of 100mm.

### **Insulation**

**Floor:** 80mm,  $k = 0,632 \text{ W/m}^2\text{K}$   
**Outer walls:** 60mm,  $k = 0,667 \text{ W/m}^2\text{K}$   
**Inner walls:** 60mm,  $k = 0,546 \text{ W/m}^2\text{K}$   
**Roof:** 80mm,  $k = 0,522 \text{ W/m}^2\text{K}$

### **Roof structure**

**Profile sheet:** 0.75mm galvanized profile sheet, depth of the corrugation is 40 mm, ventilated, fixed to the special roof profile, which is screwed to the frame structure.  
**Insulation:** mineral wool, flammable class A1, EN 13501-1  
**Moisture stop:** 0.2mm moisture stop – polyethylene film

**Permitted roof load:** 1,250 N/m<sup>2</sup>

**Roof drainage** is provided via 4 plastic spouts with diameter of 60mm placed in all corner poles, which are brought from a collecting container gutter.

### **Interior lining**

**Ceiling:** 10mm double-sided laminated chipboard without formaldehydes, washable, white, riveted to the profile beams, beam heads are of the same colour as plastic covers, all joints are covered with special plastic strips  
**Walls:** 10mm double-sided laminated chipboard, washable, white/light oak, without formaldehydes, emission class E1, rivet heads are provided with matching plastic covers, all joints including corners are covered with special plastic strips.