



## TECHNICAL DESCRIPTION

for

### **WC CABIN**

#### **In General:**

The following description refers to the specification and design of standard WC cabins.

#### **Dimensions (mm) and weights (kg):**

Type	external			internal			weight
	length	width	height	length	width	height	
WC 5'	1,200	1,400	2,540	1,055	1,255	2,200	350
WC 8'	2,400	1,400	2,540	2,255	1,255	2,200	570

#### **1.) FLOOR:**

- frame construction: - cold rolled, welded steel profiles, 2 mm thick
  - 4 container feet, welded
  - steel cross members with omega profiles, thickness = 2.5 mm
- fork lift pockets 5' WC: 2 mm thick U-profile pockets  
located on the front side of the cabin  
centre to centre distance: 780 mm; inside clearance: 255 x 80mm
- forklift pockets 8' WC: 2 mm thick U-profile pockets  
located on the side of the cabin  
centre to centre distance: 900 mm; inside clearance: 255 x 80mm
- insulation: - 60 mm mineral wool slabs (density 16 - 24 kg/m<sup>3</sup>)  
flammability class A - non combustible  
smoke density class Q1 - low smoke emission  
both in accordance with ÖNORM B 3800
- subfloor: - 0.63 mm thick, galvanised steel sheets
- floor: - 3 mm alu checker plate screwed to 22 mm chipboard  
The chipboard complies with the emission value E1  
(definition according to DIBt directive 100, version June 1994)

#### **2.) ROOF:**

- frame construction: - cold rolled, welded steel profiles, 2 mm thick
  - wooden cross members l x w = 80 x 40 mm
  - 2 or 4 lifting eyes
- roof cover: - 0.63 mm thick, galvanised steel sheet, sheet is riveted  
to the roof frame
  - 8' WC cabin: double folded joint over the whole width of the  
cabin
- insulation: - 160 mm mineral wool slabs (density 16 - 24 kg/m<sup>3</sup>)

flammability class A - non combustible  
 smoke density class Q1 - low smoke emission  
 both according to ÖNORM B 3800

- ceiling: - 10 mm chipboard (V 20), laminated on both sides, white  
 The chipboard complies with the emission value E1  
 (definition according to DIBt directive 100, version June 1994)

- CEE connectors: recessed in frame on short end side

**3.) CORNER POSTS:**

- cold rolled steel profiles, 2 mm thick  
 welded to the roof and floor frame

**4.) WALL PANELS:**

- PU panels; thickness = 45 mm

- panel types: - full panel  
 - door panel

- external cladding: - corrugated, galvanised and coated steel sheet; 0.6 mm thick  
 colour: blue (similar to RAL 5010)

- insulation: - 45 mm polyurethane (PU), (density 35 - 40 kg/m<sup>3</sup>)  
 - flammability class B2

- internal cladding: - galvanised steel sheet; 0.5 mm thick  
 colour: white (similar to RAL 9010)

**5.) PARTITION WALLS:**

(8' WC only)

- PU panels; thickness = 45 mm

- insulation: - 45 mm polyurethane (PU), (density 35 - 40 kg/m<sup>3</sup>)  
 - flammability class B2

- internal cladding: - galvanised steel sheet; 0.5 mm thick  
 colour: white (similar to RAL 9010)

**6.) DOORS:**

- right hand hinged
- dimensions:
 

nominal dimensions	internal clearance
875 x 2,000 mm	811 x 1,968 mm

- frame: - steel frame with three sided wraparound sealing

- door blade: - steel sheet galvanised on both sides with 40 mm insulation  
 and integrated wire glazing 500 x 450 mm

- cylinder lock: - lockable from inside by turning handle

**7.) ELECTRICAL  
 INSTALLATION:**

construction: dampproof concealed cabling

- technical data: - recessed CEE external plug and socket connections
- voltage 230 V
- 50/60 Hz, 3 poles, 32 A
- consumer box, surface type, dampproof, single-row
- residual current operated device 40 A/0.03 A      2 poles
- circuit breaker 13 A      2 poles

- circuit breaker 16 A 2 poles
- dampproof 2-way switch 2 modules
- all-glass lamp

- earthing: earthing conductor of galvanised flat steel and clamp.  
The protective earthing installation on site must be carried out by the buyer/hirer.

**8.) WATER INSTALLATIONS:**

- water supply: supply with ½“ pipe through the cabin wall at the rear side
- internal: PVC piping
- waste water: The waste water is collected in PVC-pipes DN 50 or DN 100 (external diameter 50 or 110 mm) and discharged through the cabin rear wall. The buyer/hirer must feed the waste water into an authorised sewage network or sewage tank.

**9.) HEATING:**

Individual heating by frost heaters 0.5 kW/230 V  
Mechanical air ventilation via extract fans.

Regular ventilation of the rooms must be provided – a relative humidity of 60 % at 20°C should not be exceeded in order to avoid condensation!

**10.) INSULATION:**

- floor: thickness = 60 mm U= 0.54 W/m² K
- roof: thickness = 160 mm U= 0.25 W/m² K
- external wall: thickness = 45 mm polyurethane U= 0.489 W/m² K  
thickness = 60 mm polyurethane U= 0.375 W/m² K  
(on request)

**11.) WIND RESISTANCE:**

At danger of strong winds the cabins must be secured adequately (for example with steel cables, etc.).

**12.) ASSEMBLY / ERECTION:**

A single cabin must be put either on 4 wooden or concrete foundation points. The cabins can also be positioned on concrete strips or concrete slabs.  
Foundation parameters and frost depths have to be adapted to local soil and ground conditions.  
Level foundations are a pre-requisite to enable a trouble free assembly and a perfect standing of the cabin.

**13.) HANDLING:**

- with fork lift
- with crane: angle between rope and horizontal line at least 60°  
Due to construction and design, handling with spreader is not allowed.

**14.) PAINT:**

Paint system with high weather and ageing resistance, suitable for urban and industrial atmosphere.

- wall panels: 25 µm paint thickness



- frame: 20-40 µm primer  
40-50 µm topcoat

The painting of above mentioned parts is carried out with different types of production. These achieve shades similar to RAL. We do not accept liability for colour variations in comparison with the RAL tones.

The buyer is responsible to ensure that magisterial and legal requirements concerning storage, assembly and use of the WC cabins are met.

Subject to technical alterations.