

G.T.C. Container Technical Characteristics

Production Method

Modular construction with Film coated COIL COATING system ready painted steel on the outside, and inside.
Containers are manufactured in the dimensions of 2.40X6.00X2.60 m as type 1, 3,0X6 , or 3,0X7
The approximate weights of the containers are (for type 1) 2.40X6.00: 1200 kg, and 3.00x7.00: 1500 kg.
All materials used are CEE certified

LOAD BEARING SYSTEM

Composed of upper chassis, lower chassis and wall carcasses, made of galvanized roll steel sheet manufactured in the roll forming line. (In ready-made wall panel containers, the vertical omega profile is galvanized steel). In special projects, following static calculations, the profile wall thickness and width may be changed, or industrial profiles and DKP/Galvanized column-beam reinforcement and welding/screws/bolts may be used.

TECHNICAL DATA

Snow load	80 kg/m ² - TS 498 ve TS EN 1991-1-3
Wind speed	102 km/saat (50 Kg/ m ²) TS 498 ve TS EN 1991-1-4
External wall thermal conductivity coefficient	50 mm Rockwool sandwich panels 0.48 Kcal/m ² hC (0.56 W/m ² K)
Internal wall thermal conductivity coefficient	50 mm Rockwool sandwich panels 0.46 Kcal/m ² hC (0.54 W/m ² K)
Roof thermal conductivity coefficient	40mm Rockwool Sandwich Panel : K : 0.59 Kcal/m ² hC (0.69 W/m ² K)
Floor thermal conductivity coefficient	50 mm Rockwool between layers (option) K: 3,38 Kcal/m ² hC (K:3,92 W/m ² K) K: 0.48 Kcal/m ² hC (0.56 W/m ² K) (with 50 cm rockwool/option)
Chassis load capacity	200 kg/m ² calculated according to T.S 498
Seismic Zone	Effective ground acceleration coefficient: Ao=0.40 (1st degree seismic zone) Building Importance Coefficient I =1 Live Load Contribution Coefficient n:0.3

Technical Data continued

RELEVANT STANDARDS

DESIGN-STATIC : EUROCODE 3 , TS 498, TS 648, TS 11372
Regulation on Buildings to be Constructed at Seismic Zones (06.03.2006)
Thermal Insulation : TS 825 , Thermal Insulation Regulation (8.05.2000)

Climate Zone

Wall insulation suitable for 2nd climate zone (K:).
Roof insulation suitable for ~ 1st climate zone (K:).

EXTERNAL WALLS

Total external height	2635 including the eyebolt
Net internal height	2350 mm, Europe style (ground stone) wc is reduced to 2060 mm
Exterior Walls	50 mm thick Sandwich Sandwich Wall Panel-cold room panel
External surface covering	0,35-0.40 mm thickness, COIL COATING system ready painted S type galvanized steel, Refer to S-type roll
Insulation	A1 class rockwool
Internal surface	0,35-0.40 mm thickness, COIL COATING system ready painted S type galvanized steel, Refer to S-type roll

INTERNAL WALLS

Internal wall height	2350 mm
Interior Walls	50 mm thick Sandwich Wall Panel-cold room panel
Panel Inner and Outer Surface	0,35-0.40 mm thickness, COIL COATING system ready painted S type galvanized steel, Refer to S-type roll
Insulation	A1 class rockwool

GTC- PANEL SYSTEM CONTAINER TECHNICAL SPECIFICATIONS

External Walls Film Coated Painted Galvanized Steel

Internal Walls Film Coated Painted Galvanized Steel

FLOOR COVERING

Construction	Special form 120x145x 1.5 mm frame profile and 100x50x1, 5 mm cold formed C-section profile, galvanized DX51D + Z
Covering	As floor coating over 16 mm thick fiber cement plates,Hekim Brand TPO membran pvc floor covering

ROOF AND CEILING COVERING

Roof Construction	Special form 120x145x 1.5 mm frame cold formed profile (galvanized DX51D + Z), the roof panels and the top profile is composed of two C support. (The rain waters are evacuated holes in the top frame) Gable roof is included.
Roof Covering	40 mm thick, 5 ribs Hekim Sandwich Roof Panel
Panel Outer Surface	0.35-0.40 mm thick pre-painted COILCOATING system galvanized corrugated sheet , depth is 27 mm)
Insulation	A1 class rockwool
Panel Interior Surface (Ceiling)	0,35-0.40 mm thickness, COIL COATING system ready painted S type galvanized steel, Refer to S-type roll

DOOR JOINERY

External door (with 1 mm powder coated steel frame)	845/1960 /45 mm Insulated steel door (external dimensions) panic bar COIL COATING film covered 0.5 mm pre-painted galvanized steel sheet coating system in RAL 9002, double side doors fiberboard and EPS-filled steel Door frames are specially formed and equipped with rubber seals.
Internal doors (with 1 mm powder coated steel frame)	840/1960 mm Mdf-lam Press door (external dimensions),

Leaf thickness:42 mm

Wet area doors (with 1 mm powder coated steel frame)

620x1960 mm miff-lam (external dimensions), leaf thickness: 42 mm
In WC groups 18 mm 600*1830 mm. MDFLAM door leaves.

Door lock and handle

External door locks cylinder lock, internal door locks mortise locks , door handles gold or grey colored metal door handles. TSE CERTIFIED

WINDOW JOINERY

Window (1.20 mm powder coated steel frame)

970/1200 mm PVC - handles PVC POSITIVE Brand

Kitchen-WC-shower

100x100 mm PVC fixed

GLASS

DOUBLE-GLASS

4+9+4 mm – Brand -TSE CERTIFIED

Windows dimensions

975 x 1200 mm

PAINT
Colour

External door

INDUSTRIAL OVEN PAINT, electrostatic powder coat finish with an acrylic RAL 9002 painted

window frames

COIL COATING system ready RAL 9002 painted

Internal door frames

INDUSTRIAL OVEN PAINT, electrostatic powder coat finish with an acrylic RAL 9002 painted

External Corner Cover-Horizontal Generations

External Corner Caps-Ledgers: RAL5015 blue galvanize paint

External Surface

External Surfaces: COIL COATING system RAL 9002 Off-white ready painted Galvanized Steel

Other metal components

Galvanized construction is not painted.

GTC - CONTAINER TECHNICAL SPECIFICATIONS

ELECTRICAL and TELEPHONE INSTALLATIONS Surface mounted

Cable (2000 Watt, 220 Volt, 50 Hz.),
Socket and Line sorties 3X2.5 mm² NYM, With surface mounted cable-ducts, TSE CERTIFIED
Lighting lines and sorties 2X1.5 mm² NYM, With surface mounted cable-Products, TSE CERTIFIED
Telephone cable 2x2 , With surface mounted cable-ducts,TSE CERTIFIED

Lighting fixtures Normal areas Globe Fixtures – Lighting lamps -TSE CERTIFIED
Wet areas Globe – IP 44,TSE CERTIFIED
Above external door

Electrical Sockets, Switches

Surface mounted -TSE CERTIFIED
W automat Fuses Federal brand -TSE CERTIFIED
Fuse boxes -TSE CERTIFIED

3 pcs AC installation is included,but AC units are excluded.

Telephone sockets (available at quantity in compliance with layout plan.) TSE CERTIFIED

Distribution line connections

To the thermoplastic switch and telephone boxes, by the Orderer.

LIFTING SYSTEM

Loading and unloading operation should be carried out by connecting equal-distance rope to the lifting plates mounted on the two long sides, with locks.

The cabins are for single-story uses.

G.T.C. - MIC reserves the RIGHT TO MAKE ANY AMENDMENTS IN THE TECHNICAL DETAILS.