

## **DIS** CONTAINER TECHNICAL SPECIFICATION

### **Container unit**

The container unit is designed as a light construction consisting of floor and roof frames and corner profiles. The construction enables the connection of individual modular units in longitudinal and transverse directions without limits. It also enables the staking of units in two additional floors (ground floor + first floor) or even 3 floors (ground floor + 2 floors with a minimum of three units per floor).

The container unit's effective life span is minimum of twenty (20) years under harsh field conditions and more than thirty (30) years with the correct maintenance. It is capable of sustaining at least three (3) assemblies and three (3) disassemblies during its life span.

Container units can be delivered as a flat-packed (in Trans-packs 660mm high) with completely pre-assembled floor and ceiling. Units can also be delivered factory assembled. The assembled container units are solid enough to enable transport and handling by any ISO means (crane, forklift, spreader etc.).

Units can be completely fire proof with the walls, floors, and ceilings being constructed of class "A" non-combustible materials, or other class as "B" etc.

### **DIS** Container Unit Dimensions(m)

Type	Lenght		Width		Area m2	
	External	Internal	External	Internal	External	Internal
10`	2,989	2,789	2,438	2,235	7,28	6,23
20`	6,058	5,855	2,435	2,235	14,74	13,09

Standard external/internal height of the units are 2,591/2,326m or optional 2,762/2,500m

### **Standard Technical Specifications**

#### **Construction / Steel framework – Zinc plated ( galvanized)**

**Basic Structure** - Cold Rolled Steel profiles 3mm to 4mm for Floor Frames in S235 JR or S355

**Corner Fitting** - As per ISO 1161

#### **DIS INTERNACIONAL DOOEL**

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## LOADINGS

<b>Wind Load</b>	0.5 kN/m <sup>2</sup>
<b>Floor Permissible loads &amp; Composition</b>	2.00kN/m <sup>2</sup>
<b>Ceiling Permissible loads &amp; Composition</b>	1.00kN/m <sup>2</sup>

## COLOUR

<b>External colour</b>	Frames Natural Zinc colour or from RAL (optional) Walls Ral 9002
<b>Internal Colour</b>	Walls Ral 9002 Floor Grey Ceiling White

## INSULATION & FINISHING

<b>Floor</b>	PIR panel 50mm PVC vinyl floor covering 1.5 mm over 12.5mm thick Cement board or plywood 15mm U=0.394 W/m <sup>2</sup> k
<b>Ceiling</b>	Mineral wool of 100mm Chipboard in a thickness of 8mm with a foil in white Colour U=0.394 W/m <sup>2</sup> K
<b>External &amp; Internal walls</b>	PIR Panels 50mm Thick (external/internal steel sheet 0.5 mm ) U=0.394W/m <sup>2</sup> k

## DOORS

<b>External &amp; Internal door</b>	Metal single doors, furnished with a cylinder lock and size of 2000 x 850mm/750mm, filled and white colour, PVC optional.
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## ELECTRICAL INSTALLATION

<b>Standard Voltage Network connection</b>	BS 7671/ UL Listed (US) / EU standard electrical installation. Voltage 230/400 V and 50Hz CEE connection plug / socket, 5 pole, 32A, 40V, mounted on the outer wall of the container, recessed into top frame in the upper corners of the shorter side wall.
<b>Inner distribution system</b>	Electric distribution box, NyM-J cables of suitable dimensions, flush- mounted, IP-40 (dry rooms) or IP-65 ( wet rooms)
<b>Fitting</b>	Flush-mounted switches and socket Fluorescent, ceiling lights

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## SANITARY EQUIPMENT

<b>Distribution of sanitary water</b>	Poly-propylene pipes
<b>Waste pipe</b>	PVC pipe, diameters 50mm and 110mm, surface-mounted
<b>Fittings</b>	Ceramic sink with mixing tap, mirror, Ceramic toilet pan and urinal Monolith polyester shower cabin
<b>PACKAGING</b>	
<b>Accomplishment</b>	Assembled

## Optional Equipment

For complete comfort, highest functionality and an appearance to meet clients` requirements, there are several possibilities of optional equipment:

- Windows ( PVC , AL or other)
- Walls with inner wainscot of chipboard with a foil in white color or wood pattern (bright maple)
- Doors: outer, inner, aluminium, steel, wooden, various, colour, glazed windows: single panel, double panel, sanitary, with shutters, blinds, grat for protection against burglary.
- Fork lift openings
- Interior equipment (complete kitchen, laundry, furniture)
- Outer and inner stairs
- Fences and external terraces
- Overhangs
- Protruding roof
- Secondary roofs and facades
- Frames and walls in desirable RAL color
- Electric HVAS systems (heaters, AC units)
- Additional reinforcements for floor load up to 10kN/m<sup>2</sup>
- Internal height and external width up to 3m
- Painting
- Water heater (Electric water heater)
- Corner joints

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