

External Walls Film Coated Painted Galvanized Steel Internal Walls Film Coated Painted Galvanized Steel

PRODUCTION MODE	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, All materials used are TSE 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 readymade 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/m² - TS 498 ve TS EN 1991-1-3	
	Wind speed	102 km/saat (50 Kg/ m²) TS 498 ve TS EN 1991-1-4	
	External wall thermal conductivity coefficient	K: 0,62 Kcal/m²hC (K: 0,72 W/m² K)	
	Internal wall thermal conductivity coefficient	K: 0,59 Kcal/m²hC (K: 0,68 W/m² K)	
	Roof thermal conductivity coefficient	K: 0,72 Kcal/m²hC (K: 0,84 W/m² K)	
	Floor thermal conductivity coefficient	K: 3,38 Kcal/m²hC (K: 3,92 W/m² K)	
	Chassis load capacity	200 kg/m² calculated according to T.S 498.	
	Seismic Zone	Effective ground acceleration coefficient: A ₀ =0.40 (1st degree seismic zone)	
		Building Importance Coefficient I =1	
		Live Load Contribution Coefficient n:0.3	
RELEVANT STANDARDS	DESIGN-STATIC : ELROCCDE 3 , TS 498, TS 648, TS 11372 Regulation on Buildings to the 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: 0.60 W/m ² K). Roof insulation suitable for ~ 1st climate zone (K: 0.50 W/m ² K).		
EXTERNAL WALLS	Total external height	2635 including the eyebolt	
	Net internal height	2350 mm, Turkish style (ground stone) wc is reduced to 2060 mm	
	Exterior Walls	50 mm thick Hekim Sandwich Wall Panel-cold room panel	
	External surface covering	~ 0,35 thickness, COIL COATING system ready painted S type galvanized steel, Refer to S-type roll http://www.hekimpanel.com/wp-content/uploads/sac-deseni.jpg	
	Insulation	B2 class EPS	
	Internal surface	~ 0,35 thickness, COIL COATING system ready painted S type galvanized steel, Refer to S-type roll http://www.hekimpanel.com/wp-content/uploads/sac-deseni.jpg	
INTERNAL WALLS	Internal wall height	2350 mm	
	Interior Walls	~ 50 mm thick Hekim Sandwich Wall Panel-cold room panel	
	Panel Inner and Outer Surface	~ 0,35 thickness, COIL COATING system ready painted S type galvanized steel, Refer to S-type roll http://www.hekimpanel.com/wp-content/uploads/sac-deseni.jpg	
	Insulation	B2 class EPS	

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FLOOR COVERING	Construction	Special form frame profile and cold formed C-section profile, galvanized DX51D + Z
	Covering	As floor coating over 15 mm thick fiber cement plates, Hekim Brand pvc floor covering
ROOF AND CEILING COVERING	Roof Construction	Special form cold formed profile (galvanized DX51D + Z), the roof panels and the top profile is composed of two Csupport. (The rain waters are evacuated holes in the top frame)
	Roof Covering	~ 40 mm thick, 5 ribs Hekim Sandwich Roof Panel
	Panel Outer Surface	~ 0.35 thick pre-painted COIL COATING system galvanized corrugated sheet , depth is 27 mm)
	Insulation	B2 class EPS
	Panel Interior Surface (Ceiling)	~ 0.35 thickness, COIL COATING system ready painted S type galvanized steel, Refer to S-type roll http://www.hekimpanel.com/wp-content/uploads/sac-deseni.jpg
DOOR JOINERY	External door (with 1 mm powder coated steel frame)	845/1960 / 45 mm Insulated steel door (external dimensions) 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 mdf-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	Window
GLASS	DOUBLE-GLASS	4+9+4 mm - - TSE CERTIFIED
PAINT	External door	HEKIM 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	HEKIM 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 HEKIM Brand
	External Surface	External Surfaces: COIL COATING system RAL 9002 Off-white ready painted Galvanized Steel
	Other metal components	Galvanized construction is not painted.

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ELECTRICAL and TELEPHONE INSTALLATIONS Surface mounted	Cable		(2000 Watt, 220 Volt, 50 Hz.) Socket and Line sorties 3X2.5 mm ² NYM, With surface mounted cable-ducts, TSE CERTIFIED Lighting lines and sorties 2X1.5 mm ² NYM, With surface mounted cable-ducts, 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
	Fuses, fuse boxes		W automat Fuses Federal brand - TSE CERTIFIED Fuse boxes - TSE CERTIFIED
	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.
	SANITARY INSTALLATIONS Surface mounted	Sanitary ware / Fixtures	Sinks
Toilet bowl			Seat type, TSE CERTIFIED
			Lavatory fauce TSE CERTIFIED
Shower tray			80 cmx80 cm , TSE CERTIFIED
Kitchen sink			50/ 100 cm chromium sink, lower double closet made of coated chipboard. Above-sink closet is not provided.
Accessories			PVC material Paper-towel holder, soap dish, mirror, shelf, toilet seat cover TSE CERTIFIED
Piping		Fresh water	PPRC - TSE CERTIFIED
	Waste water	PVC - TSE CERTIFIED	
LIFTING SYSTEM	Loading and unloading operation should be carried out by connecting equal-distance ropes to the lifting plates, mounted on the two long sides, with locks. The cabins are for single-story uses.		

AVA reserves the right to make any amendments in the technical details