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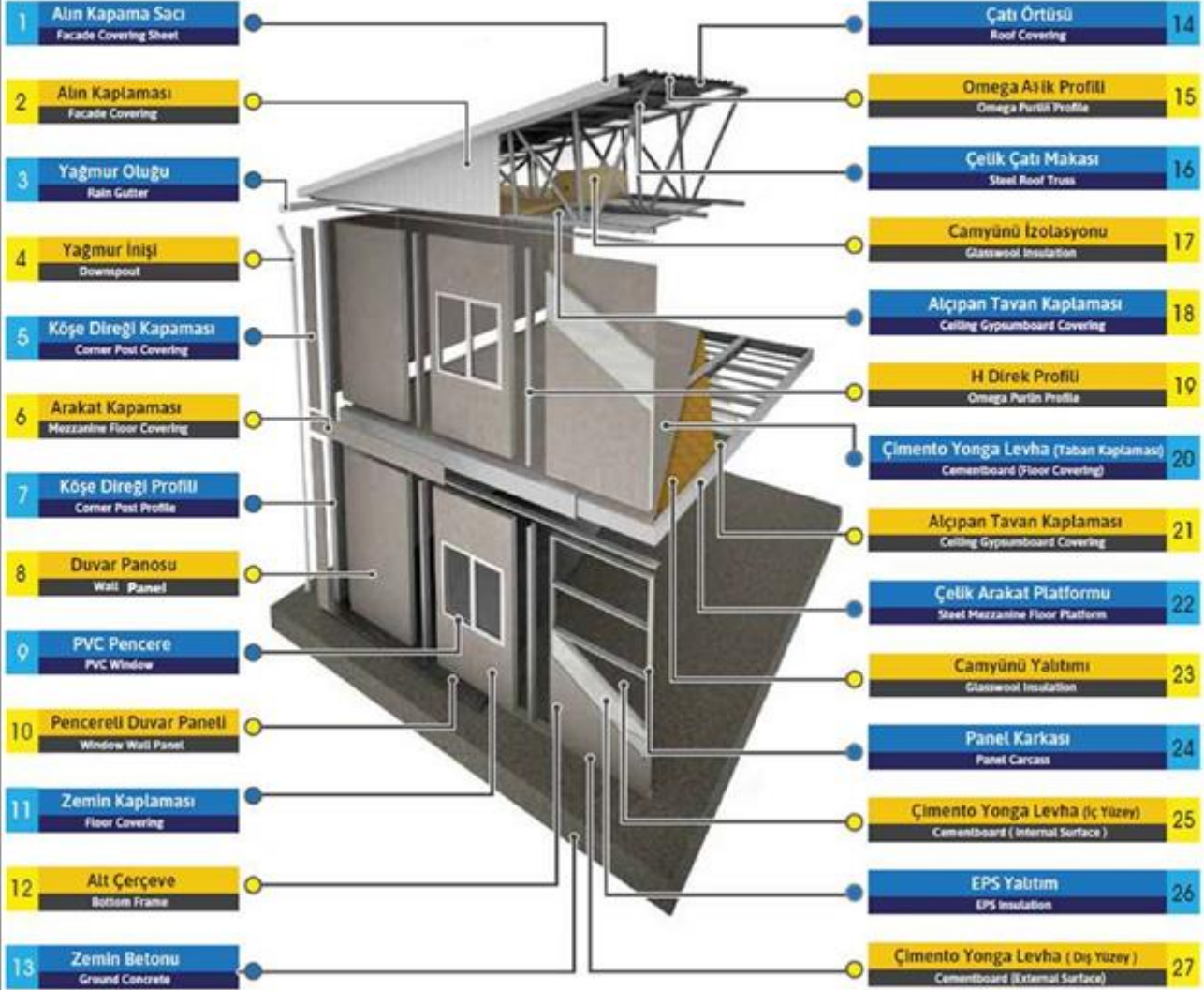
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TEKNİK DETAYLAR

TECHNICAL DETAILS



1 GENERAL SYSTEM DESCRIPTION

In our products, utterly domestic production materials are used.

PRODUCTION TECHNOLOGY

In the carrier system, S320GD+Z, +AZ Erdemir quality no:1332, S350GD+Z in DIN EN 10326 standard, Material with +AZ Erdemir quality no: 1335 and Erdemir quality no: 1322 is used. Thin-Walled Galvanized C and U Profiles, drawn as one piece from Cad-Cam controlled fully automatic continue roll-form machines, are used.

ASSEMBLY

Wall panels, roof trusses, purlins and mezzanine assembly are made using Special Screws and Bolts.

STATIC ACCOUNTS

In accordance with the Turkish Standards and/or International Standards specified in Article 3, the required seismic and static calculations according to the suitability of the building for its intended use and the region where the building is located are made with Sap2000, CFS, STA4CAD, BRICSCAD, HAYESCAD programs according to the load values determined in the projects and standards.

DURABILITY

The exterior cladding is cemented particleboard (Betopan) with CE Certificate (Resistant to fire and water). The interior cladding is also cement particle board (Betopan)

FOUNDATION CONCRETE

Concrete should be poured in accordance with the concrete plan (foundation dimensions) to be given by the company. The EMPLOYER will do foundation design, static, foundation and floor covering. The building is fixed to the ground concrete with anchors and steel dowels. An iron raft or steel mesh foundation should be prepared on the hardened ground.

2 TECHNICAL DATA

SNOW LOAD: 148 kg/m², TS 498 (It changes according to the snow load and altitude where the building will be built.)

WIND SPEED: 102 km/h (50 Kg/m²) TS 498

INTERMEDIATE LOAD CAPACITY: According to T.S 498, the building can be 200/350/500 Kg/m² depending on the purpose and type of use.

EARTHQUAKE CALCULATIONS: Effective ground acceleration coefficient: $A_0=0.45$ (1st-degree earthquake zone)

Building importance factor ($I=1$)

Live Load Participation Coefficient ($n=0.3$)

According to the building's intended use and type, it is calculated as $I=1 / 1.2/1.4/1.5n=0.3 / 0.6$.

THERMAL INSULATION: Thermal Insulation Regulation (8.05.2000)

SOUND INSULATION: TS 187 and TS 854 (DIN 4109)

FIRE RESISTANCE: DIN 4102 Regulation on Fire Protection of Buildings - 2002

3 EXTERIOR WALLS










EXTERIOR WALL THICKNESS	~100 mm
EXTERIOR WALL HEIGHT	2500 mm
EXTERIOR CLADDING	Cement Particle Board (Ce Certified Betopan)
HEAT AND SOUND INSULATIONS	80 mm thick EPS (16 kg/m ³)
NON-STANDARD OPTIONS	Çimento Yonga Levha (Ce Belgeli Betopan)



4 INTERIOR WALLS

INTERIOR WALL THICKNESS	~60 mm
INTERIOR WALL HEIGHT	2500 mm
INTERIOR WALL CLADDING	Cement Particle Board (Ce Certified Betopan)
HEAT AND SOUND INSULATION	40 mm thick EPS (16 kg/m ³)
NON-STANDARD OPTIONS	



5	CEILING COVERING	
	<p>DRY / WET VOLUMES: 12.5 mm thick 60x120 Gypsum Board</p> <p>CEILING INSULATION: 80 mm thick glass wool</p> <p>SUSPENDED CEILING CONSTRUCTION: Specially designed galvanized RAL 9002 electrostatic oven painted omega profiles</p> <p>NON-STANDARD OPTIONS: Inverted Ceiling</p>	
6	ROOF	
	<p>ROOF COVERING: Painted galvanized sheet with a thickness of 0.50 mm in the form of 27/200 with a trapezoidal cross-section</p> <p>PURLIN ROOF CARRIER SYSTEM: Specially shaped galvanized profile purlin consists of profiles specially designed from galvanized sheets. Joints are made with bolts and screws without using welding.</p> <p>EAVES AND EAVES VENTILATION: There are 20 cm eaves made of specially twisted galvanized sheet metal on both sides of the building. There are ventilation holes in the scissors V's to prevent sweating.</p> <p>EAVES TROUGH: The metal eaves trough will be placed. Makroprefabrik is not responsible for eaves trough breaks that may occur in places with high snow loads</p>	  
7	EXTERIOR DOORS	
	<p>SIZE: 900*2000 MM / Insulated Sheet Door</p> <p>DOOR FRAME: 1.2 mm galvanized sheet (Electrostatic Oven Painted)</p> <p>LOCK & HANDLE: Cylindrical Lock / Satin grey metal door handle</p>	
8	INTERIOR DOORS	
	<p>SIZE: 800*1980 MM /American Panel</p> <p>DOOR FRAME: 1.2 mm galvanized sheet (Electrostatic Oven Painted)</p> <p>LOCK & HANDLE: Cylindrical Lock / Satin grey metal door handle</p>	
9	WINDOWS	
	<p>NORMAL / TRANSOM WINDOWS: PVC windows specified in the project details are used.</p>	
10	GLASSES	
	<p>NORMAL WINDOWS: 4+11+4 mm Double Glazing</p> <p>TRANSOM WINDOWS: 4 mm thick frosted glass</p>	
11	PAINTS	
	<p>EXTERIOR: Double layer silicone exterior paint (DYO brand)</p> <p>INTERIOR: Double layer silicone interior paint (DYO brand)</p> <p>CEILING: Double layer plastic paint (DYO brand)</p> <p>METAL EQUIPMENT: Standard oil paint is used.</p>	
12	LIGHTING (FLUSH-MOUNTED)	
	<p>LIGHTING LUMINAIRES</p> <p>Normal Space Housing</p> <p>Normal Space Office</p> <p>Wet Spaces</p> <p>Outdoor Top</p> <p>Square Diffuser</p> <p>2*40 fluorescent</p> <p>Round Diffuser (İŞILDAR Brand)</p> <p>Exterior Diffuser Trend Riva Model (İŞILDAR Brand)</p>	

CABLE

Sockets Lighting

Sockets: 3x2.5 mm² NYM and NYA (Öznur - Özler- Hes Brand)

SOCKET BUTTONS

Sockets Switches

LIGHTING: 2x1.5 mm² NYM and NYA (Öznur - Özler- Hes Brand)

NON-STANDARD OPTIONS

Sockets: Kardelen – Carmen Series (VIKO Brand)

Lighting: Kardelen – Carmen Series (VIKO Brand)

13 SANITARY SYSTEM (FLUSH-MOUNTED)

VITRIFIERS:

Washbasin: Pedestal washbasin (ESVIT BRAND)

Closet: Ceramic cistern set toilet (ESVIT BRAND)

Alaturka Stone: Classic series (ESVIT CERAMIC MAKRA)

Shower Tray: 80*80 GRP shower tray (CEPS BRAND)

Polisu Brand Sinks with cold water installations have tapped on the wall.

Mixer - Taps: in washbasins with mounted, hot water installation, the taps come out of the sink

CLEAN WATER PIPES:

High-quality unbreakable PVC pipes are used (FIRAT BRAND)

WASTEWATER PIPES:

High-quality unbreakable PVC pipes are used (FIRAT BRAND)

NON-STANDARD OPTIONS