

Building Specifications: Residential CUBE Smart

Structure

Walls, roof and floor are made out of approximately 80mm strong Epoxy material from the RexWall brand. These sturdy and highly insulated synthetic panels can be ordered with either a weather-proof acrylic plaster or with a smooth fiberglass-surface. The interior can be finished with a textured or smooth surface.



In combination with the rigid foam core, the laminate on both the inside and outside of the panels contains internal supports that sustain tension, pressure, and torsional stress. These supports also prevent the laminate from separating after several years and enhance the durability of the product. The panel's rigid foam core provides excellent insulation. The walls, floors, and roof are connected with corner profiles into a force-locked waterproof structure. They are optional with superimposed RAL colored profiles. The building features two asymmetrically arranged forced ventilation openings with fly screens. Sandwich supports shore up the floor and prevents deflexion. All surfaces are moisture resistant and easy to clean. The roof is covered with synthetic fibers so that even during heavy rain or hail it is comfortable to relax in the residential CUBE Smart.

The CUBE Smart model has an 80mm strong ring on the roof for drainage. The water drains off a 1m wide opening rear of the building. This opening can be used as access to the roof terrace.

For areas that encounter strong wind load, Krinner[®] Earthstuds model KSF G3 66 X 700 are recommended together with our base frame (A).

A structural analysis is included with delivery of every CabinCube.

Fire Protection

All CabinCubes include a smoke detector on the ceiling. Fire extinguishers can be ordered as an optional feature and installed on the wall, for example in hotels. Other optional extras: for a higher fire resistance the installation of drywall or an outside wooden curtain wall in high density areas.

Windows and Front Door

The window and door frames are made out of aluminum and are painted gray. As an alternative, PVC frames may also be ordered. The double-glazed windows feature safety glass. The left and right side windows may be opened. Options for the door include either a lockable sliding entrance door, or double swing doors.

220V Electricity

The right outer wall (the equipment wall) is standard with empty ducts for wiring. The cables have a load capacity up to 3000 Watts and can be extended with an up to 50m long cable connection in 1,5qmm² cross section.

1. Wiring Set, Fuse 16A
2. Light switch, cable for light sources and/or air conditioning, heating, etc.
3. Inside a double power outlet located near the floor and above a single power outlet (Schuko Outlet-Model F or CEE 7/4)
4. Outside connection (CEE Wall-Mounted Caravan Outlet, 16A 230 V L+N+PE 6h IP44)
5. Outside a single power outlet

Specifications for other countries upon request.

Flooring

Standard flooring is laminate with a warm wooden look. Optional we offer real wood flooring.

Optional Shading

A privacy and sunscreen system is integrated in the windows. This high-end system provides gentle, filtered, natural light in the CabinCube, and protects from prying eyes.

Optional A/C

Roof air-conditioning with a cooling capacity of ca. 1000 kW. Additionally, the air conditioner comes with an easy to use remote control with integrated lighting.

- High flexibility due to two vent levels
- Suitable for most European camp grounds (secured with 4-A-Fuse)
- Quiet operation and quick installation
- Superb technology: thermostat-controlled temperature regulation
- Environment friendly: CFC- and FC free
- Inclined position up to 10° possible
- Suitable generators upon request

(Structural height increases by approximately 300mm)

Technical Data, ca.

Living Area	Gross	6m ²
Living Area	Net	5,3m ²
Room Volume	Net	12m ³
Mass without Base Frame	Width/Depth	2,45m x 2,45m
	External Height	2,47m
	Interior Height	2,30m
Mass with Metal Base (A)	External Height	2,55m
Weight, Empty without Base	Weight	ca. > 400 kg
Airborne Sound per DIN EN 1364-1	dB	20 (-1; -2)
Wall Thickness	XPS Insulation	80mm
Surface material	Epoxy	1,2mm

General Information

These specifications are the basis for the pictured descriptions. Changes to the existing specification will only be undertaken due to divergent/differing technical and statically definable reasons or the manufacturer deems them necessary. It is assumed that all of the components and objects described in the specifications will be available during the construction period.

Changes made by the suppliers to their program or design may require that materials of the same value and quality are used. Furnishings pictured (bed, shelving, etc.) are not a part of the contract.

The object is based on European norms as well as generally accepted engineering standards. The common dimensional tolerances and differences that vary from the specifications and result during construction, remain expressly reserved as long as they do not have any influence on the use or quality of the execution.

The transport of the object to the place of assembly, installation at the site as well as the attachments are individual services and are accordingly part of the additional services which are not included in the price of the building.

Building permits regarding the use of temporary buildings (FIBauR) are the responsibility of the owner to examine locally. As a rule these structures are freed from building permit regulations based on their size and volume. Structures used for accommodations should be inspected by the building authority or examined for necessary permits.

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Technical status as of 2015