

OB#CURA

TECHNICAL DATA SHEET

CONTAINER



	Length	Width	Height	Tolerance
	ft mm	ft mm	ft mm	ft mm
Dimensions	20' 6,058	8' 2,438	8' 6" 2,591	± 3/8" 10
Minimum internal dimensions	5,898 19' 4 1/8"	2,350 7' 8 1/2"	2,350 7' 8 1/2"	
Minimum door opening dimensions		2,337 7' 8"	2,261 7' 5"	

Weights			Capacity
Max. gross	Tare	Max. payload	
kg	kg	kg	m ³
lbs	lbs	lbs	ft ³
32,500	2,300	30,200	33.2
71,650	5,071	66,579	1,172

- Suitable for any general cargo
- *Fork-lift pockets* for loaded containers
- *Floor height* 170 mm (ground level to interior floor surface, tolerance deviation possible)
- Various *lashing devices* with a permissible load of 1,000 kg (2,205 lbs) each on the top and bottom longitudinal rails and the corner posts
- Majority of containers tested and certified for ONE-DOOR-OFF OPERATION, but then with limited stack weight

CLADDING

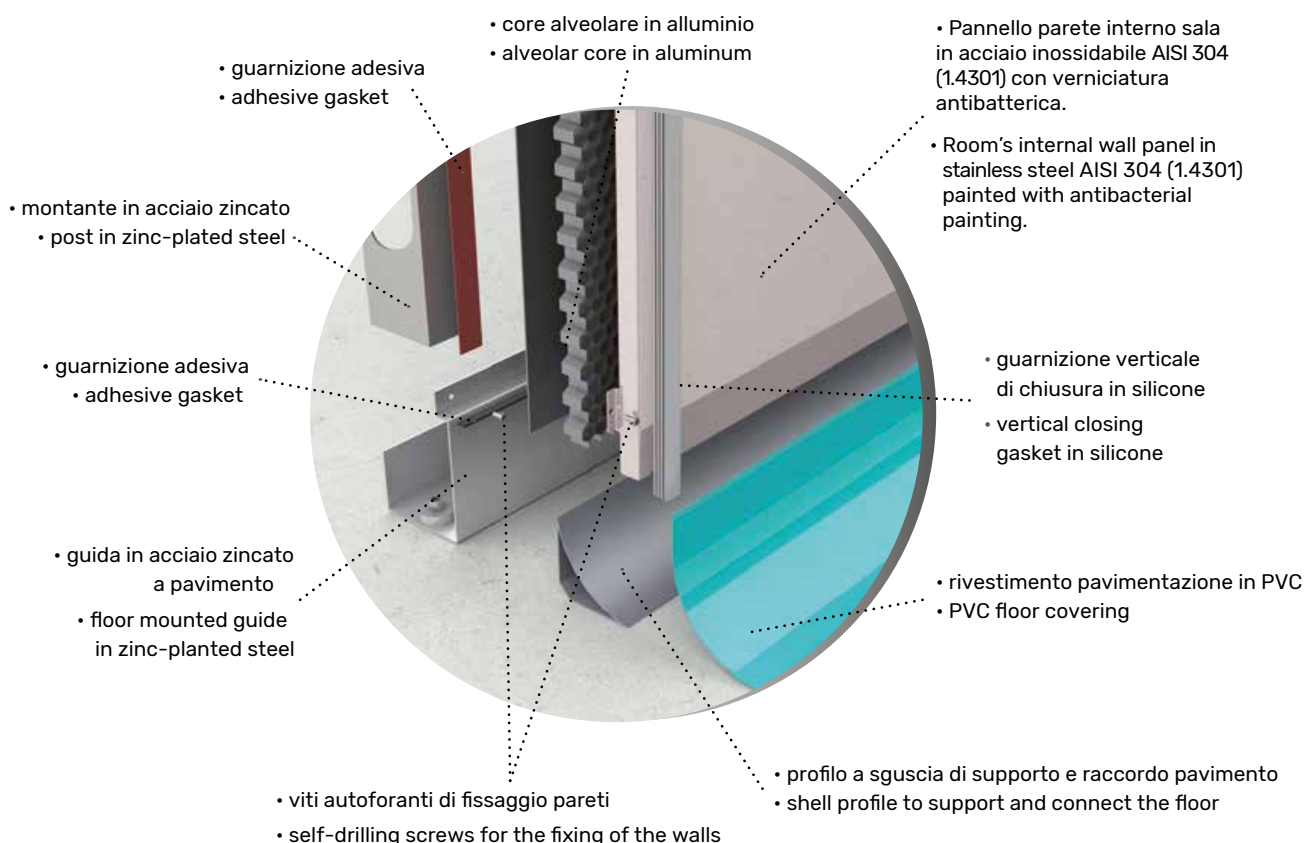
The internal coating of the container consists of a sandwich paneling as follows described:

The internal finishing panel is made of 0,8 mm thick AISI304 (1.4301) stainless steel sheet, laminated with 150-micron white Sanisteel antibacterial coating or painted with antibacterial epoxy powders RAL 9003.

The internal core is made of a 12.5 mm sintered anhydride panel.

Each panel can have a maximum size of 940x1970 mm and with a total thickness of 20 mm.

The panels are properly ribbed and shaped on the edges to allow easy fixing to the bearing structure, which remains completely hidden, by means of patented screws, hidden by a non-toxic silicone gasket, which allows to hermetically close and seal all the joints between a panel and the other.



FALSE CEILING

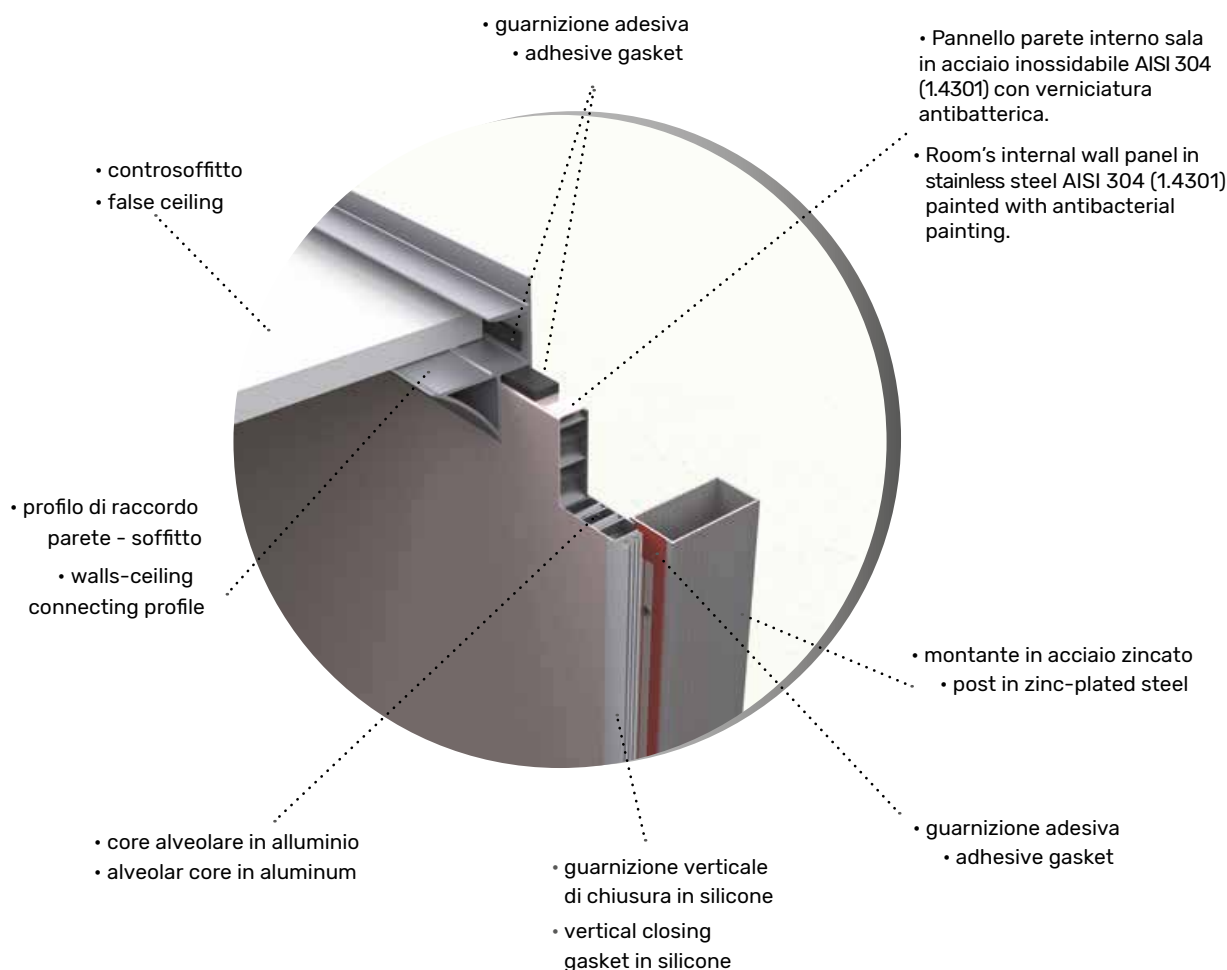
The false ceiling is made of 0,8 mm thick galvanized steel sheet, laminated with a 150-micron white Sanisteel antibacterial coating or painted with antibacterial epoxy powders RAL 9003.

Fully airtight (IP 65), it is made up of specially designed metal panels for clean rooms and operating rooms.

The seal is obtained thanks to the perfect adherence of the upper part of the panels to the lower layer of the bearing structure through an elastic gasket pressed by a PATENTED angular joint that avoids the use of additional sealer.

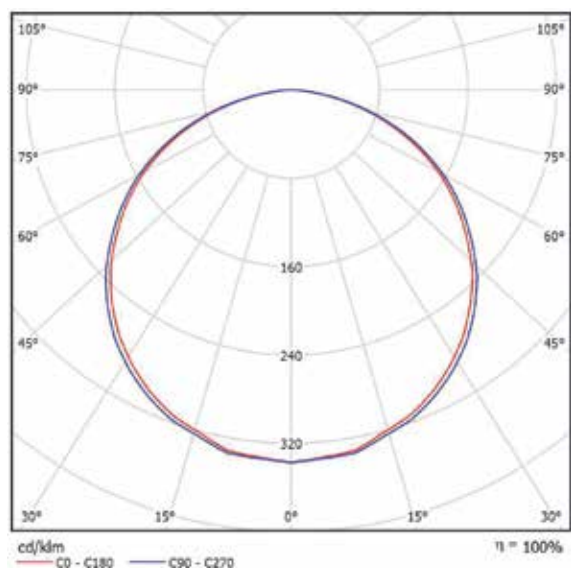
The supporting structure remains completely hidden in order to avoid the accumulation of dust or dirt.

The connection between the ceiling and the vertical panels is made with the use of special profiles which guarantee their seal and aesthetic result.

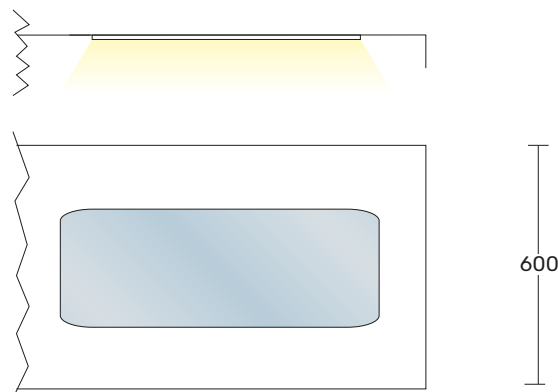


The purpose of the false ceiling is to allow the housing of the electrical / hydraulic and mechanical connections of all the devices contained in the unit in its upper part.

Inside it, moreover, find space the lights for the global illumination of the unit.



50.000 ore di durata
50.000 hours duration
3 anni di garanzia LED
3 years LED warranty



DOOR

Where planned, we can also provide an automatic, sliding door or a door with an emergency swing opening system.

The door is made up of aluminum profiles and glass panels that allow you to see inside the rooms, making the operators' work easier.

The system has been designed to allow the automatic and sliding part to open just enough to allow the passage of the healthcare personnel, while the complete emergency opening is only available if necessary, for example in case of transport of the patients within the units.

The door moves horizontally, and when closing, it rests on the uprights and the crosspiece, also made of aluminum profiles, in which there are special rubber gaskets that are compressed when the doors are completely closed, ensuring the perfect air tightness of the system.

The upper sliding carriages can support and move a maximum load of 300 kg per door.

The automation is also equipped with a special software that can provide complete control over the system.

The upper beam for the sliding is made of two parts, one fixed and one that can be opened for inspection.

The beam guarantees a maximum capacity of 400 kg for the double door systems and 300 kg for the single door.

The sliding is carried out on a thick aluminum track, suspended on an anti-noise guide made in Polizene®.

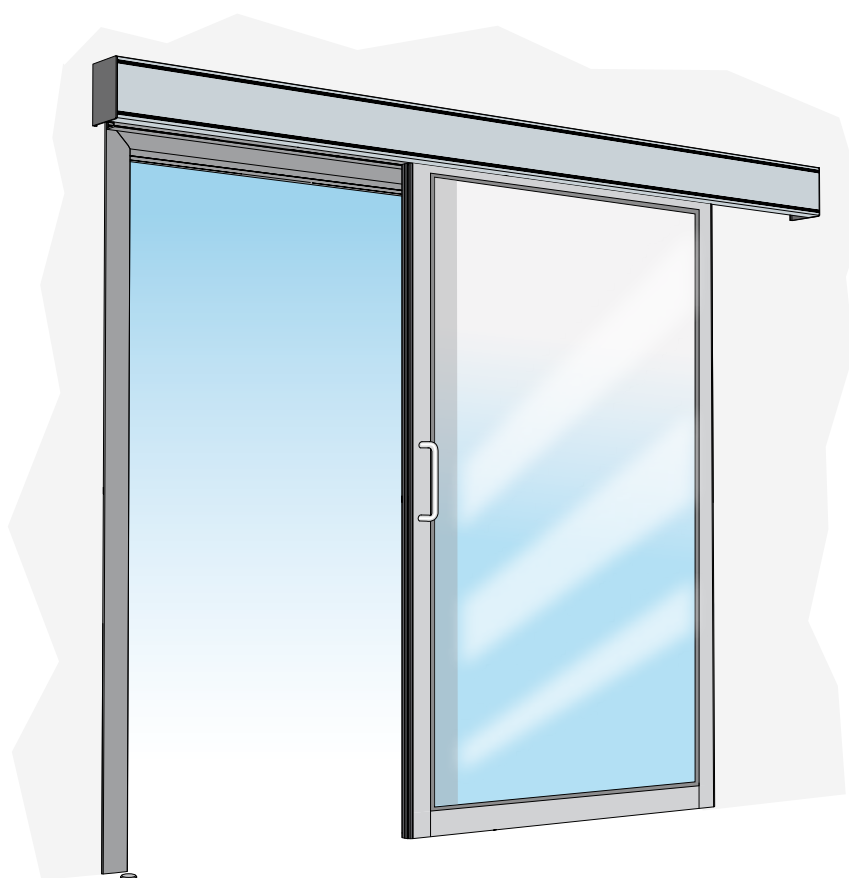
The movement is transmitted by means of a timing rubber belt, with Kevlar curbs, completely antistatic. An anti-derailment mechanism is also included in the automation which provides more safety during all operations.

The basic supply includes:

- Doors complete with profiles, glasses, and dedicated gaskets.
- Upper track (raw finish)
- Cover in aluminum (raw finish)

The following extras are also available for purchase:

- All Optional components not specifically included
- Curtains
- Bumper strips
- Different types of glass
- Painting of elements supplied with raw finish.

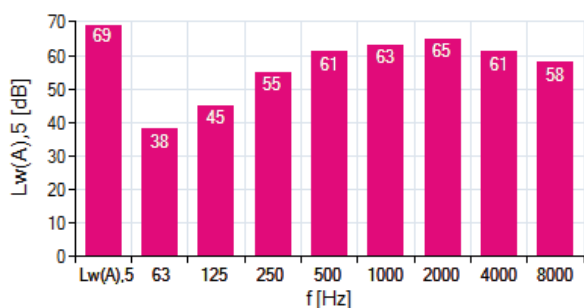


AIR TREATMENT

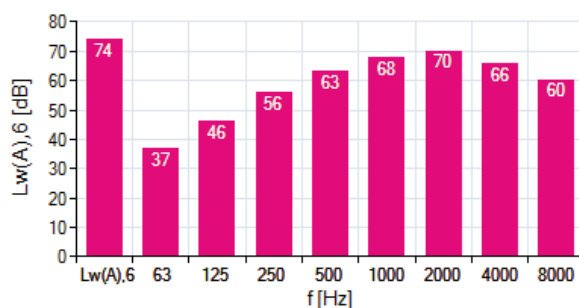
Technical features

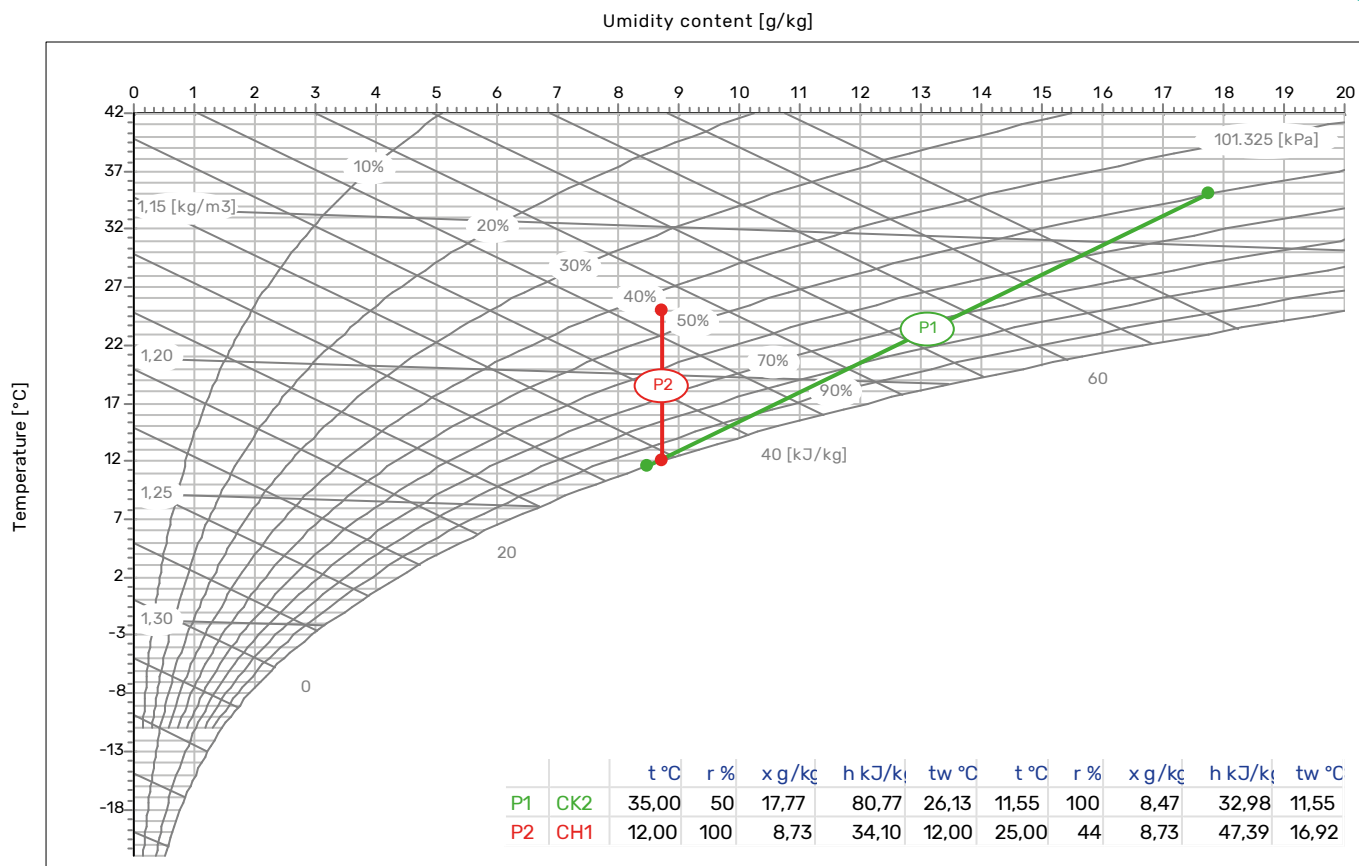
Unit features:		Technical data		Electrical power supply	
				1- 230V 50Hz	
Air flow[m ³ /h]	500			Supply	Return
Useful pressure [Pa]	100			500	500
Total pressure[Pa]	467			EC motor included	EC motor included
Air speed [m/s]	0,56			0,180 kW	0,120 kW
Class DIN EN 13053	V1			0,56 m/s	0,56 m/s
Total length	1600,00 mm			100 Pa	100 Pa
Total height	1000,00 mm			Pa	Pa
Total width	700,00 mm			%	%
Total weight	~300 kg				
Thermal transmittance	T3	Leakage class at -400Pa	L2M	Mechanical resistance	D1M
Thermal break class	TB4	Leakage class at +700Pa	L2M	Filter leakage	F9

Sound power level at the suction side type A (Lw(A),5)



Sound power level at the delivery side type A (Lw(A),6)





FLOORING

The flooring is made with a conductive, single layer, 2mm thick vinyl floor, calendered, flexible and weldable, forming a smooth surface, available in various colors and designs, usually chosen in combination with the color of the inserts inside the unit.

The malleability and plasticity of the product make it ideal for the use in this type of installation. In fact, every fissure and every detail within this space can be easily covered, shaped and sealed directly on site, ensuring a uniform result.

This solution is also particularly suitable for the sanitation of the rooms. By creating a unique membrane, it makes it easy to clean and without leaks, there is no risk of formation of bacteria on the surface.



LAMPS



PENTALED is a concentrate of technology with unmatched performance, the best for an outpatient lamp as well as for minor surgery.

Its compact size and extremely easy to handle structure are of high technology, quality, and performance. The thin dome with two comfortable side handles ensures an easy positioning and maneuverability, reducing overall dimensions.

Performances

12

28

	12	28
Light intensity at 1 m distance (Ec)	100.000 lux	120.000 lux
Lamp diameter	40 cm	40 cm
Color temperature	4.500 K	2 selections: 4.500 - 5.000K
Color rendering index (CRI)	96 Ra	94 Ra
Diameter adjustment	Fix	Fix
D10 diameter of the light field where the lighting reaches 10% of EC	160 mm	280 mm
Light field diameter adjustable from - to	//	110 - 330 mm
Lighting depth IEC 60601-2-41 (L1+L2) at 60%	850 mm	920 mm
Lighting depth IEC 60601-2-41 (L1+L2) at 20%	1500 mm	1550 mm
Total radiated Ee energy where the illumination reaches maximum level	414 W/m ²	456 W/m ²
Ratio between radiated energy Ee and illuminance Ec	3,68	3,62
Led duration	> 60.000	> 60.000
Lighting control	20 - 100 %	20 - 100 %
Electrical absorption	20 W - 40 VA	47 W - 85 VA



PENDANTS



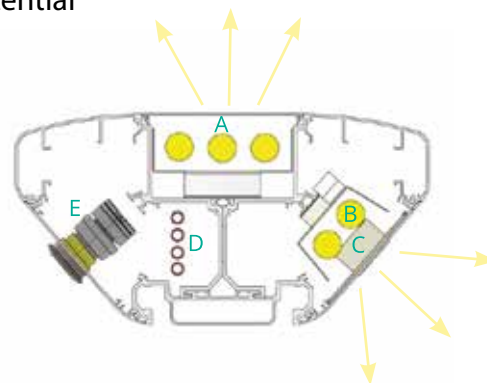
Ceiling mounted intensive care unit equipped with independent lighting, and provisions for medical gases, electrical switches, and sockets.

The system was designed for intensive, sub-intensive, preparation and recovery rooms and more general for those environments that need many sockets and switches to power medical equipment such as monitors, dialysis machines, respirators and other devices needed to keep the patient alive.

Both sides of the unit can be equipped with these accessories.

Included Gas: 2 x O₂ , 1 x N₂ , 1 x N₂O , 1 x CO₂

Included switches: 2 x UPS Schuko, 4 x Schuko , 2 x LAN , 4 x Equipotential



LIGHT DIFFUSION

- A - INDIRECT LIGHT
- B - DIRECT LIGHT

COMPONENTS

- C - ELECTRICAL COMPONENTS
- D - GAS PIPING
- E - GAS OUTLET

INFLATABLE CONNECTION

The inflatable connection consists of one pneumatic tent with reduced volume and weight, self-mounting, equipped with installation system even in the absence of main power. Depending on the field configuration chosen, the tent can be connected to other tents, continuing to guarantee the same functionality.

The tent is made of polyester on the outside and nylon fabric inside. All these materials are waterproof, non-toxic, resistant to moisture and are Class 1 fireproof. The floor is made of PVC. The sealing of the seams guarantees the waterproofing of the tent together with the fact that the entire tent is under pressure, so the air tends to go outwards and therefore prevents the penetration of the rain.



It is made according to the most advanced techniques: all inflatable parts are fixed by means of heat-sealed seams with welded tape.

The innovative shape of the tent allows, together with the absence of an internal load-bearing structure, the maximum use of the living area also near the side walls. The security of the structure is guaranteed by a support system: the inflation system is designed to intervene automatically in the event of a power failure and in any case having an autonomy of 8 hours. The air gap on the whole roof cover isolates the internal space from the atmospheric agents, guaranteeing the habitability and comfort of the operators.



