






NIXUS | ISO High Pressure Container Roofing System



Universal shelter system fitting to any type of ISO containers of 20' or 40'





 30 - 60 min (*) 1 - 3 hod (**)	 2 - 4 persons 4 - 8 persons	 100 - 120 km/h	 30 - 50 kg/m ²	 Front modularity with other ISO roofs of same model. Connectable with ISO and Landrover via connection tunnels.
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notice: (*) ISO; (**) ISO-RIBS

GENERAL DATA

tent model:	NIXUS ISO - High pressure Inflatable Shelter for ISO containers 20 ft and 40 ft		
tent system:	high-pressure pneumatic system of tubes, fixed to the roof. The tent is inflated by air compressor, small size tent can be inflated by cylinder (air bottle)		
technical description of frame system:	High-pressure arc beams Ø150 mm, pressurized to 6-8 bar. Structure is reinforced by longitudinal horizontal tube and aluminium purlins on the top of the roof		
use:	Simple and fast covering of the space between the containers, especially in places with a hard surface, where the use of classic tents could be problematic.		
model benefits:	Thanks to the universal brackets, the NIXUS ISO shelter is compatible with any type of ISO container. Quick and convenient installation outperforms other solutions on the market. After adding the front walls and possibly also the floor, a full-fledged and extremely strong tent will be created.		
general benefits:	High-pressure tents are an optimum solution to extreme weather conditions, resistant to temperature fluctuation. Seamless tubes do not need automatic pressure control pump. In a case of structure deformation in extreme weather conditions it automatically reverse back to the original shape.		
structure inner pressure:	collapse pressure: 1,5 bar	working pressure: 4-8 bar	destruction pressure: 30 bar, safety valves set up to 8 bar

MODEL DATA

	SI	SH	notice
horizontal reinforce:	3x high-pressure longitudinal beams (preparation for sunshade). 	1x high-pressure beam on the ridge + 2x aluminium struts inside under the roof 	illustration pictures

dimension:	Basic models	dimension (m)			(m ²)	
		width	length	height	Floor area	
	ISO-60-60	6,0	6,0	4,1	36,0	ISO-60 drawing
	ISO-60-120	6,0	12,0	4,1	72,0	
	ISO-RIBS-100-60	10,0	6,0	5,3	60,0	
	ISO-RIBS-100-120	10,0	12,0	5,3	120,0	
	ISO-RIBS-120-60	12,0	6,0	5,9	72,0	
	ISO-RIBS-120-120	12,0	12,0	5,9	144,0	

modules:	app. 2,0 m span per module with single beams or 3,0 m span with RIBS beams
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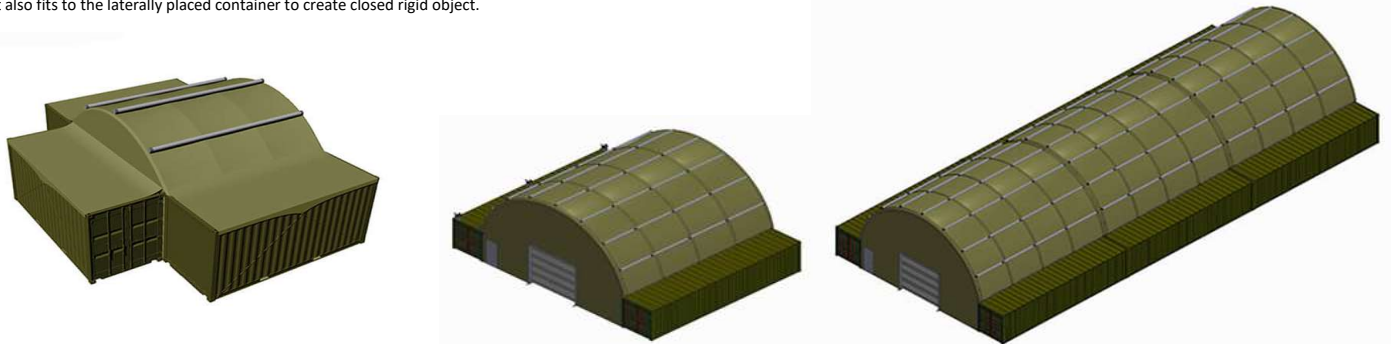
description:	main parts of the tent <ul style="list-style-type: none"> ① containers ② anchors ③ main beams ④ canopy ⑤ spacers ⑥ antislippery pvc floor ⑦ gable wall ⑧ half moon wall ⑨ gate 	
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MATERIAL SPECIFICATION

working temperature range:	- 46° to +70°C		
weight:	150 - 600kg according to the model. For transport and easier handling product is divided into segments not exceeding 300kg.		
material of beams:	2200 g EPDM coated HT tubes, FR, grey colour Flame Resistance: vertical flammability accord. to STN EN ISO 15025:2003, STN EN 6941:2004; Tear resistance according to STN EN ISO 4674-1:2004; Mechanical properties Tightness tests		
material of canopy:	650g or 900g/m2, FR, opaque PVC coated PES, UV resistant, antimildew. All zippers are HF welded, waterproof grade, bicolor with desert matt outside surface/ grey inside, matt olive green/grey or matt white/white (as a standard colours)	matt olive green	matt sand
		grey	white
	Flame Resistance: vertical flammability accord. to STN EN ISO 15025:2003, STN EN 6941:2004; FNFPA 701; Fed.Std. 191-5903		
floor:	Normally without floor or on request 480, 650 or 900 g/m2, FR, PVC coated PES; grey colour Flame Resistance: horizontal flammability accord. to STN 80 4414:1997; FNFPA 701; Fed.Std. 191-5903		

MODULARITY

Standard composition allows to connect ISO roofs of same model at the front via connection tunnel to create longer structure.
It also fits to the laterally placed container to create closed rigid object.



TENT COMPONENTS



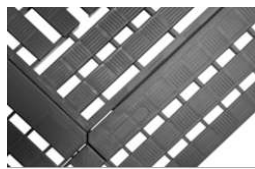
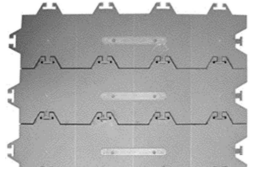

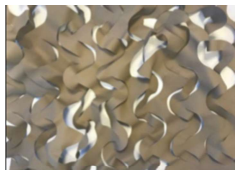

gable walls:	removable, easy to service, different types for modularity with other tents, landrover, ISO,...	
windows:	optional 3-layer window (changeable mosquito net and TPU film, outer cover, rain keder) in the gable wall	
personal doors:	optional soft manual foldable hangar door, electric rolling hangar door, personal or Landrover door .. All placed in gable walls.	
anchoring:	lateral sides anchored to the ISO containers. Front sides anchored by pegs or ballast bags.	

<p>shelter set includes:</p>	<p>Standard scope of the delivery: Inflatable shelter, set of side consoles, set of support lifting rods, anchoring ropes and stakes, repair kit level 1, inflation hose with manometer, PVC transport bag, log book</p>		
			
			






VARIABILITY

<p>properties:</p>	<p>dimensions, fabric type, colour, ISO tunnels, Landrover tunnels .. for different use purpose</p>
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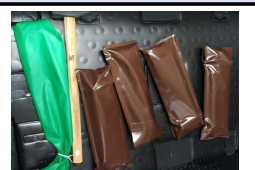
<p>accessories :</p>	<p>hygienic or insulation liner; sunshade, IR camouflage net, hard or soft floor, cable tunnels, berths,...</p>
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<p>basic options:</p>	<p>insert soft floor, antislippery PVC, FR, 480 g/m2</p> 	<p>insert insulation soft antislippery 2 mm; 850 g/m2 PVC, FR,</p> 	<p>underfloor grade tiles - 4,8 kg/m2 LDPE</p> 	<p>modular floor, 27 mm; 4,7 kg/m2 PPCP</p> 
<p>basic options:</p>	<p>sunshade, bicolour (sand/green) PVC mesh 330 g/m2</p> 	<p>IR camouflage net, 300 g/m2 Polyamide, PVC</p> 	<p>HVAC ducts into the optional gable wall</p> 	

<p>equipment :</p>	<p>air compressors, electric distribution boxes, cables and LED lights, HVAC</p>
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<p>basic options:</p>	<p>air compressor, 350 - 900 l/min</p> 	<p>lighting, LED tubes (white or white/red option)</p> 	<p>small electric distribution box</p> 	<p>HVAC - Dantherm</p>  
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PACKING

<p>packing of shelter:</p>	<p>all tents are packed to durable PVC bag, pegs separately in small PVC bags</p>  
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<p>packing for transport:</p>	<p>foldable Mega JUMBO box, HDPE</p> 	<p>foldable wooden box Clip-Lok</p> 	<p>wooden frame pallet (cage)</p> 
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PICTURES

