

DESCRIPTION

AMT vaults are designed based on the highest demands of mechanical and environmental resistance, providing an excellent protection performance for underground installations in the electrical, energy and telecommunication sector. Its modular assembly facilitates transportation, storage and installation.

This product is made from recycled polyethylene bags, on strength of the commitment we have of contributing to the ecological balance.

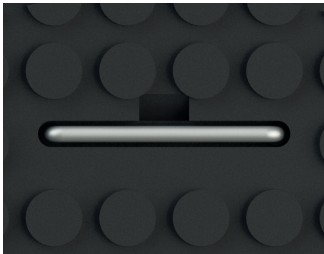
Provides high load capacity, flame retardant protection, resistance to sunlight, abrasive wear, resistance to a variety of chemical agents, in addition to its design, made and tested under international standards.

CHARACTERISTICS

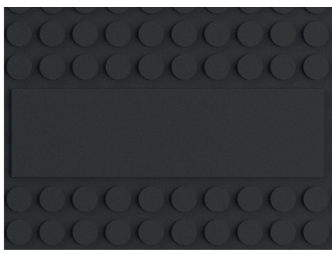


- Manufactured with a modular body of low density polyethylene, fully recycled, while maintaining excellent resistance.
- It is recommended to be used in telecommunications, energy, and electrical substations.
- The cover is secured with galvanized metal hexagonal screws and has handles on the sides for better handling and opening.
- Self-extinguishing material, resistant to solar radiation and abrasion.
- Provides protection against a wide range of chemical agents such as: acids, ketones, solvents, gasses, water vapor, etc.
- Its modular design allows it to be easily transported, stored and assembled.
- Withstands loads of up to 25 tons in compression and tension.
- Optimum to be installed in different environments such as sidewalks, gardens or vehicular streets with intense and heavy traffic.
- Structural design with lateral cavities provides greater support and subterranean anchorage, allowing walls up to 2 inches thick.





Handle for cover lifting.



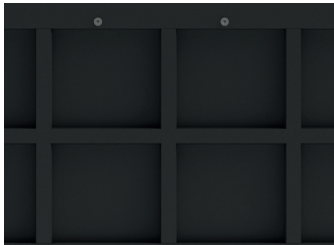
Customization area with logo.



Hexagonal screws for
cover security.



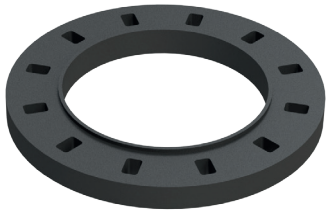
High relief anti-slip surface.



Lateral cavities for
better anchoring.



Variety of colors according
to requirements.



Optional leveling ring.

TECHNICAL SPECIFICATIONS

General register		
Parameter		Value
Distributed load capacity		25 tons
Point load		17 tons
Fatigue strength		1000 cycles with 14.5 Kg
Flexion		26 mm, 15 Tons
Manufacturing material		Low density polyethylene
Total weight (shellbox, curb and cove)		289.6 Kg
Leveling ring weight (optional)	5 cm	20.5 Kg
	10 cm	41 Kg
	15 cm	61.5 Kg
General dimensions	Width	120 cm
	Length	120 cm
	Height	120 cm

Low Density Polyethylene	
Nomenclature (Spanish/English)	PEBD/PELD
Density	0.922 g/cm ³
Breaking strain	20/20 Mpa
Elongation at breaking point DM/DT	380/910 %
Impact resistance	230 g/F50

NORMATIVITY AND STANDARDS



ALT's modular registers are manufactured in full compliance with the following standards, endorsed and certified by the Equipment and Materials Testing Laboratory LAPEM.



Specification	Test load	
	lbf	kN
American		
Pedestrian/Light Duty	3000	14
ANSI/SCTE 77 TIER 15	22500	100
ANSI/SCTE 77 TIER 22	33750	150
APAC		
Pedestrian/Light Duty	3.370	15
AS3996-Class B	18000	80
AS3996-Class C	33750	150
EMEA		
Pedestrian/Light Duty	2250	10
EN 124 Class B125	28100	125
EN 124 Class C250	56202	250

PARTS LIST

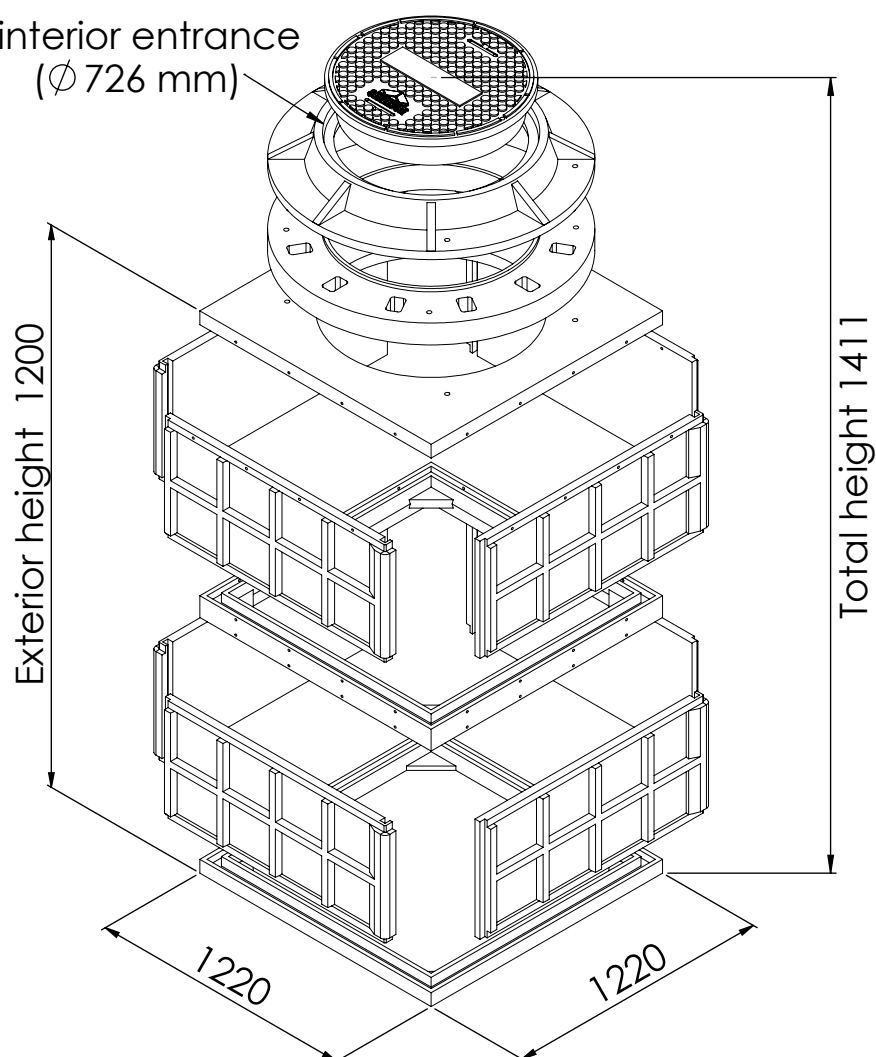


Part	Quantity	Code
Lower frame	1 piece	MI-CARETT-CORI-SB
120x60 cm side panels	8 pieces	L120-CARETT-CORI-SB
Intermediate joint frame	1 piece	MC-CORI-SB
Top frame	1 piece	MS-CARETT-CORI-SB
Curb	1 piece	B-CARETT-CORI-SB
Leveling ring 5 cm	Optional	A05-CARETT-CORI-SB
Leveling ring 10 cm	Optional	A10-CARETT-CORI-SB
Leveling ring 15 cm	Optional	A15-CARETT-CORI-SB
Cover	1 piece	T-CARETT-CORI-SB
Galvanized hexagonal screws	2 pieces	-
2 1/2" screws	48 pieces	-
Stud bolts or eye bolts	4 pieces	-

DIMENSIONAL SCHEME

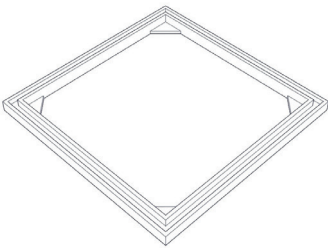


Curb interior entrance
(ϕ 726 mm)

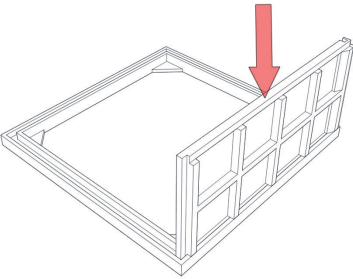


Cori			
Dimension	Exterior	Interior	Unit
Width	1220	1106	mm
Length	1220	1106	mm
Height	1220	1124	mm

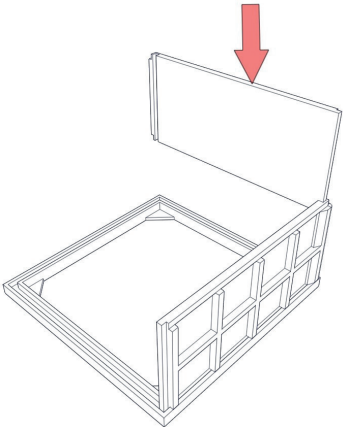
ASSEMBLY STEPS



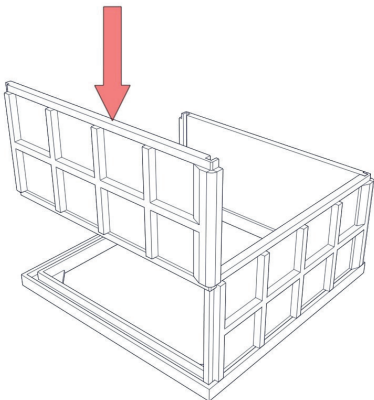
1 Place the lower frame (refer to the image) on the floor.



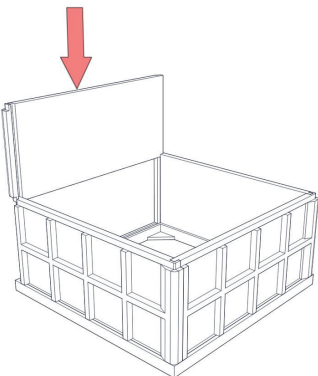
2 Install one of the 120x60 cm sidewalls on the frame, using a mallet.



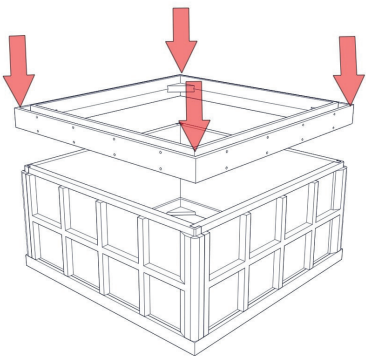
3 Place another of the 120x60 cm sidewalls on the other side of the frame, taking into account the coincidence of the male-female assembly of its edges.



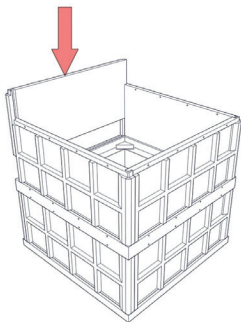
4 Repeat the previous step with the same type of frame, alternating the assembly of the edges.



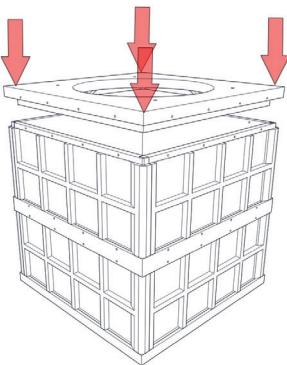
5 Install the remaining side in such a way that it fits correctly with the rest of the previously installed faces.



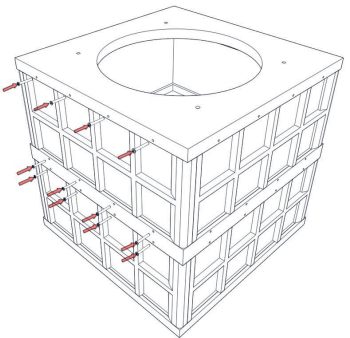
6 Install the intermediate joint frame.



7 Repeat steps 2, 3, 4 and 5, to install the remaining 4 side faces of 120x60 cm, on the joint frame.



8 Install the top frame.



9 Use 2 1/2" screws or dowels to secure the sides to the frames; 4 for the top and 8 for the intermediate joint frame, as shown in the figure. Repeat the procedure with remaining 3 sides.

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C: Full Color

VERSION CONTROL



Ver. No.	Date	Description	Revised by	Approved by
00	22/02/2022	Original emission	Santiago A.C	Alicia Soto