



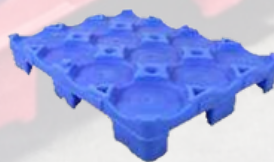
MÜHENDİSLİK



CARBOY PALLET



**ONE PALLET
DOUBLE FUNCTION**



**DAMACANA
PALETİ®
CARBOY PALLETS**

ABOUT US

We have been operating in the bottled water industry for 20 years. As a result of our R&D studies to find solutions to the problems of the sector, we discovered the carboy pallet, which has not been found before in the world and facilitates the stacking and transportation of big bottles. In addition, we developed the bottles loading robot to ensure more efficient use of the carboy pallet and made it available to the industry.

As a result of the partially negative image of polycarbonate bottles, a new packaging, glass bottles, entered the industry. Transporting and stacking glass bottles also caused significant problems. As a result of our R&D studies to solve these problems, we developed a dual-function carboy pallet that carries both glass and polycarbonate bottles in the same pallet.

Our product in question is used by 90% of the industry in Turkey.

In addition, as a result of our R&D activities to provide solutions to the problems that arise in the use of water fountains in offices and environments requiring occupational safety, we have introduced two more products, namely water fountain base and demijohn stacking rack, to this sector.



CARBOY PALLET BENEFITS



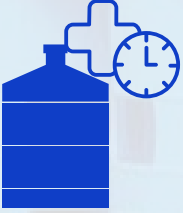
THE DUAL-FUNCTION CARBOY PALLET REDUCES LABOR IN WATER FACTORIES BY 8 TIMES.



IT CARRIES BOTH GLASS AND POLYCARBONATE BOTTLES IN THE SAME PALLET.



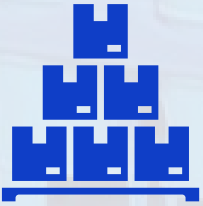
IT SAVES THE BUSINESS FROM THE COST OF STRETCHING PALLETS.



IT REDUCES THE WEAR AND TEAR OF CARBOYS BY 37%.



IT ALLOWS YOU TO TRANSPORT MORE PRODUCTS WITHOUT EXCEEDING THE TONNAGE LIMIT, PROVIDING A 17% ADVANTAGE IN TRANSPORTATION.



MORE PRODUCTS CAN BE STOCKED IN THE SAME AREA.



IT IS 100% RECYCLABLE AND ENVIRONMENTALLY FRIENDLY.



IT IS PRODUCED USING ROTATION TECHNOLOGY, WHICH IS THE MOST ROBUST PRODUCTION METHOD.

CARBOY PALLET

ONE PALLET



DOUBLE FUNCTION

CARBOY WATER TRANSPORTATION SYSTEMS COMPARISON



COMPARISON CRITERIA	SEQUENTIAL PASTING	WOODEN PALLET AND DERIVATIVES	PLASTIC RACK	DAMACANA PALETi® CARBOY PALLETS
SYSTEM WEIGHT PER bottles	0.28 KG	1.14 KG	3.57 KG	0.78 KG
PALLET UNIT COST	18 \$	23 \$	550 \$	
AMOUNT OF bottles THAT 1 TRUCK CAN CARRY DURING 1 YEAR	436.905 PIECES	435.810 PIECES	375.220 PIECES	427.050 PIECES
NUMBER OF TRIPS PER CARBOY PALLET	9 LESS TRIPS	8 LESS TRIPS	51 MORE TRIPS	-
BOTTLE LOSS PER VOYAGE	25.496 PIECES (%5)	25.443 PIECES (%5)	4380 PIECES (%1)	499 PIECES (%0.1)
WEAR TIME OF THE MATERIAL USED	4 MONTHS	3 MONTHS	24 MONTHS	120 MONTHS

*Tonnage of the truck: 28,000 Kg

**Carriage weight of 1 bottle: For sequential pouring: 24.04 KG, for pallet transport: 20.09 KG, For rack system: 23.33 KG, For BOTTOM PALLET: 20.51 KG.

PER YEAR FOR 1 TRUCK (28 TONS TONNAGE) COST ITEMS



COST ITEMS	SEQUENTIAL PASTING	WOODEN PALLET AND DERIVATIVES	PLASTIC RACK	DAMACANA PALETi® CARBOY PALLETS
1 TRUCK COST	450 \$	575 \$	13.200 \$	
1 YEAR LOSSES	1.350 \$	2.300 \$	NONE	NONE
1 YEAR STRETCH COST	-	23.608 \$	-	-
1 YEAR EXCESSIVE TRIP COST	-4.500 \$	-4.000 \$	25.500 \$	-
WORKER COST	7 WORKERS 29.400 \$	5 WORKERS 21.000 \$	3 WORKERS 12.600 \$	2 WORKERS 8.400 \$
ANNUAL COST OF WASTE CARBOYS	25.496 PIECES 29.400 \$	25.443 PIECES 79.127 \$	4.380 PIECES 13.621 \$	499 PIECES 1551 \$
TOTAL ANNUAL COST (1 TRUCK)	105.992 \$	125.610 \$	64.921 \$	15.160 \$

*Since the CARBOY PALLET is long-lasting, no annual renewal is required.

**Thanks to the CARBOY Pallet Loading Robot, all loading is done with only 2 personnel.

CARBOY PALLET

BIG STORAGE AREA

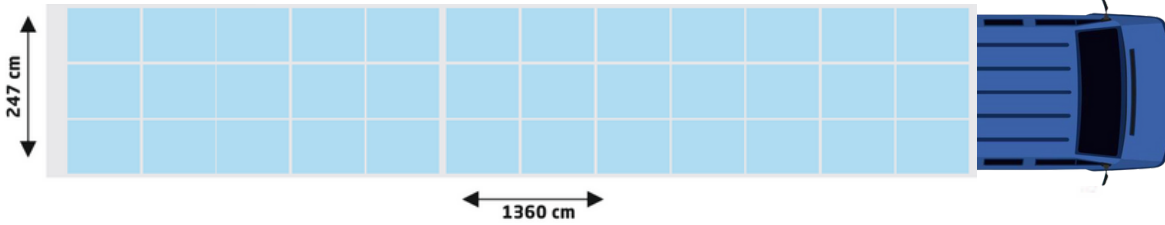


EASY STOCK CONTROL

CARBOY PALLET BOTTLED WATER TRANSPORTATION



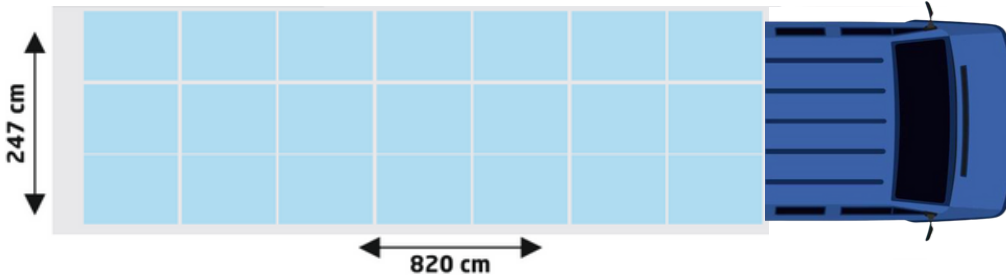
TRUCK



**$36 \times 3 = 108 \times 12 = 1,296$
BOTTLES CAN BE
TRANSPORTED**



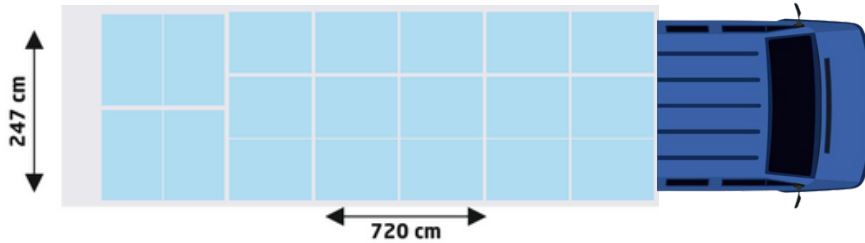
40 FOOT TRUCK



**$21 \times 4 = 84 \times 12 = 1,008$
BOTTLES CAN BE
TRANSPORTED**



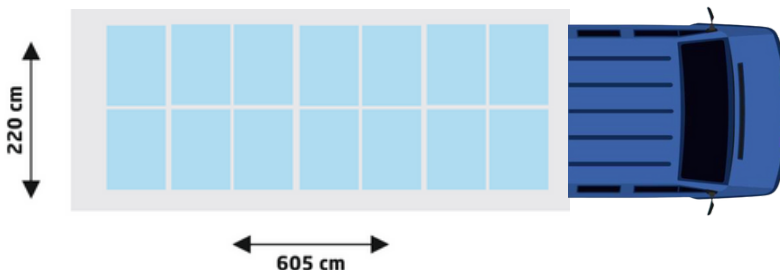
10 WHEEL TRUCK



**$19 \times 4 = 76 \times 12 = 912$
BOTTLES CAN BE
TRANSPORTED**



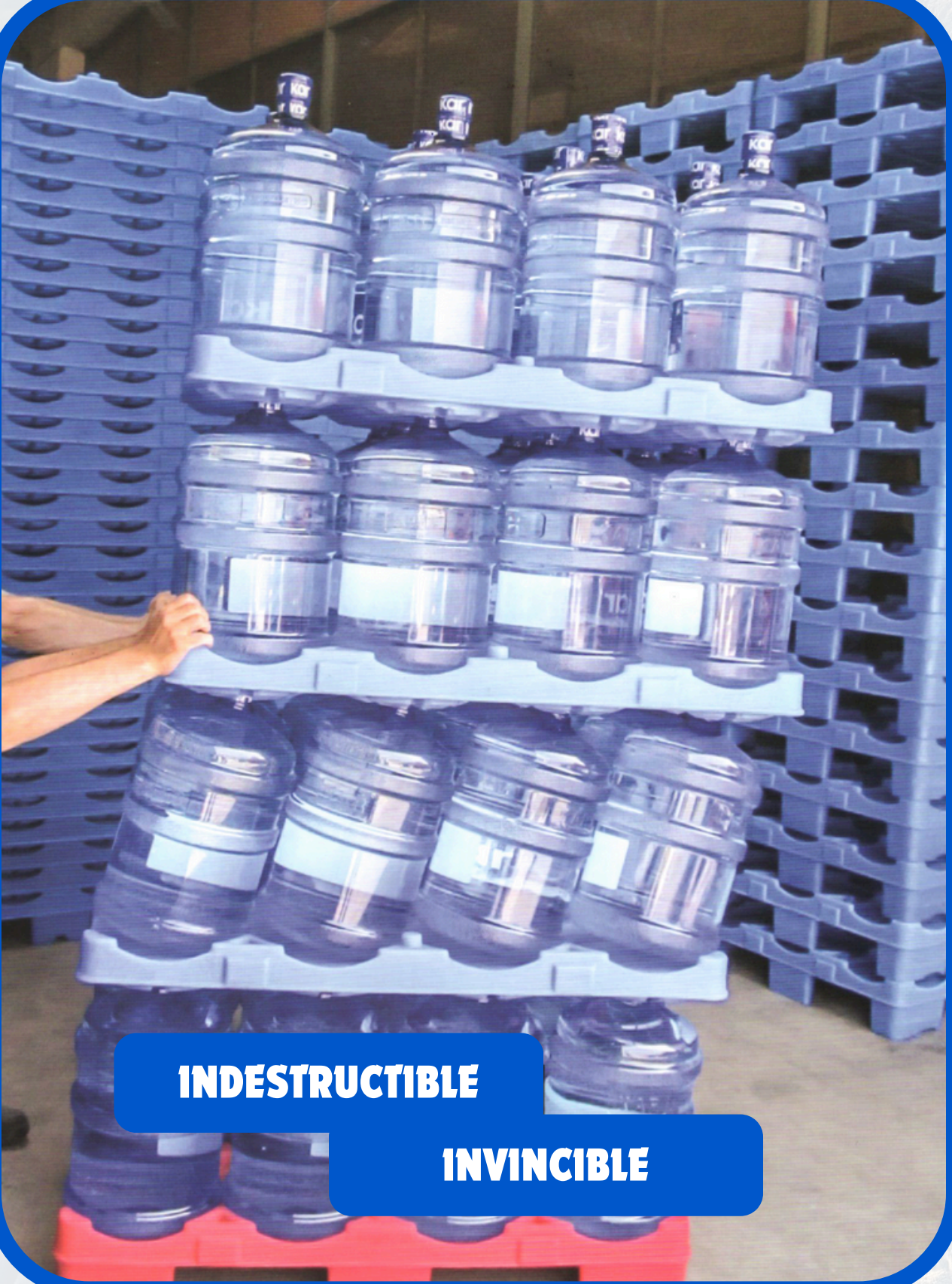
8 WHEEL TRUCK



**$14 \times 3 = 42 \times 12 = 504$
BOTTLES CAN BE
TRANSPORTED**

***TONNAGE LIMIT IN ACCORDANCE WITH EUROPEAN STANDARDS HAS
BEEN CONSIDERED.**

INDESTRUCTIBLE! INVINCIBLE!

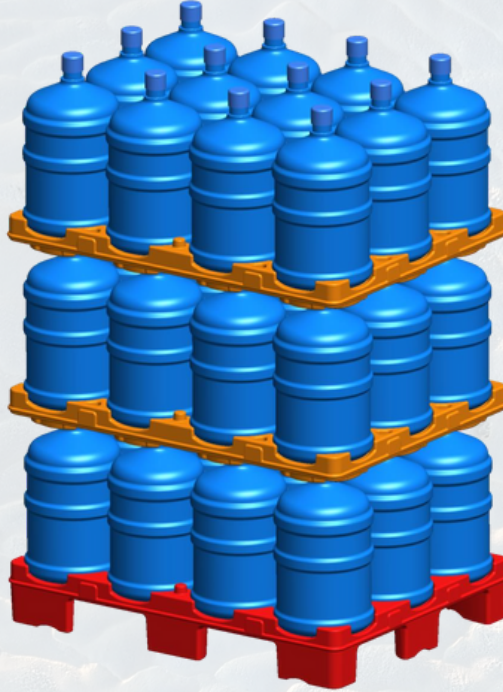


INDESTRUCTIBLE

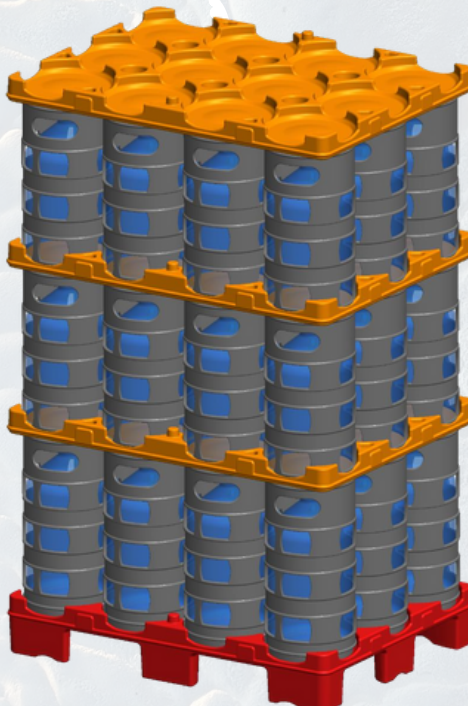
INVINCIBLE

CARRYING BOTH GLASS AND POLYCARBON

POLYCARBON BOTTLE (CARBOY)



GLASS BOTTLE



OUR REFERENCES



Dorukların serinliği



COMMUNICATION



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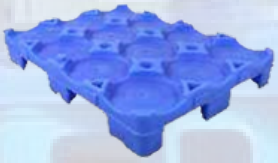


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