

APPROVED  
Director  
JUPITER LLC

\_\_\_\_\_ Kozdoba V.I.  
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**SPECIFICATIONS**  
**on packing, loading and transportation**  
**of products from cellular concrete by road transport**

**1. PACKAGE**

Blocks of cellular concrete are laid on wooden pallets 1200x1000 mm; 1200x1200 mm with a bandage of steel or propylene tape or other fastening, ensuring blocks' immobility and safety. During blocks' package there are also applied corners, polyethylene caps, and a stretch-film.

**2. LOADING AND DISCHARGE**

Loading and discharge of pallets with cellular concrete blocks is made by a fork truck or a crane with fork grip, web straps (one pallet at time).

**3. BUNDING AND TRANSPORTATION**

Transportation of blocks of cellular concrete is made by vehicles equipped with a cover to protect products from moisture and dirt, and fastening belts with steel or wooden corners.

Loading of pallets is conducted in one tier placing pallets in one row tightly to each other and according to the vehicle's loading scheme.

Each row of cellular blocks' pallets is attached to the cargo platform by fastening straps using wooden or steel gaskets. Requirements: two pads per a belt (Attachment 4, 5).

Belt tightening force should ensure a secure pallet fixation on the cargo platform, preventing them from moving while driving.

Fastening belts are passed through the lugs of special gasket corners or rounded part of wooden corners (Attachment 6).

Speed of transportation for products from cellular concrete:

- no more than 60 km/h – on roads with a hard surface (asphalt, concrete);
- no more than 40 km/h – cobblestone and dirt roads.

**4. DISCHARGE AND STORAGE OF PRODUCTS BY THE CONSIGNEE**

Unloading of products from cellular concrete by the Consignee is made in accordance with Section 2 of this Instruction.

Products' discharge should be carried out on the sites prepared for this purpose, using special intended equipment.

It is forbidden to unload it in bulk or dropping.

All sites for cargo reception should be flat, equipped with approach roads, and have the necessary lifting mechanisms and devices for discharge.

Blocks should be stored sorted by types, categories, strength classes, medium density grades and stacked up to a maximum height of 2.5 m. Blocks should be protected from moisture and damage.

## **5. REMARKS**

1. The size of pallets with blocks along body length is 1200 (mm).
2. The body should have a horizontal surface, operable or removable sides, movable frames. It is FORBIDDEN to load the pallets further than frames' end and body's projecting parts.
3. Each pair of pallets should be secured by belts using angles that protect the blocks from damage.
4. Some blocks with some discrepancy according to the DSTU are acceptable during the delivery.
5. The manufacturer IS NOT LIABLE for product quality, if the customer does not comply with the rules of loading and discharge, bunding, transportation, storage, and also in the case of loading products onto uneven and beveled bodies.  
If the requirements of these Specifications are not complied with during loading, transportation, storage and discharge, Jupiter LLC does not guarantee the preservation of cellular concrete products' quality.
6. Control over compliance with the above requirements during loading is performed by the Shipment Foreman and the Supervisor from Quality Control Department of JUPITER LLC. There should be a mark of QCD on compliance with the requirements for loading in the technical passport.

Senior Principal Manufacturing Engineer

T.L. Verbitskaya

**SCHEME OF FASTENING PALLETS WITH CELLULAR CONCRETE BLOCKS  
TO THE CARGO PLATFORM**

- 1 - gasket
- 2 - cargo belt
- 3 - items of cellular concrete
- 4 - the pallet
- 5 - cargo platform
- 6 - cargo platform's side

**CHART OF ONE PALLET OF CELLULAR BLOCKS WEIGHT  
DEPENDING ON THEIR VOLUME AND DENSITY**

Table 2

Block size, mm	Number of blocks on a pallet, pieces	Pallet's volume, m <sup>3</sup>	Maximum weight of a package with blocks for densities, kg		
			D400	D500	D600

The weight of the blocks is indicated with 27% humidity.  
Weight of transport pallet is 35 kg.