

Informal meeting on Code of Practice for Packing of Cargo Transport Units

at the request of the United Nations Economic Commission for Europe Working Party on Intermodal Transport and Logistics

Geneva and virtual, 29-30 September 2021 (second meeting)

Item 4 of the provisional agenda

Updates to the CTU Code

Stowage and Fastening of Liquid Goods in Flexitanks

Submitted by the Russian Federation

1. When liquid goods are carried with use of “Flexitank” (hereinafter, Flexitank), the requirements of manufacturer’s manual of their use shall be applied.

A Flexitank shall, on its surface, have a marking containing as follows (for example):

- trademark (manufacturer’s name);
- name of product and its specifications;
- product number;
- date of manufacture.

When goods are carried with use of Flexitank, a container shall be serviceable, cleaned of residues of the previously transported goods, and fastening facilities. Inner surfaces of the walls and the floor of a container must not have any mechanical damage and sharp edges, protruding or loose screws, welded seams, or marks indicating repairs that are made on the inner surface. Containers for the stowage of Flexitank with goods shall have a door groove for fastening of door shield bars.

The Flexitank filling degree shall be not less than 95%.

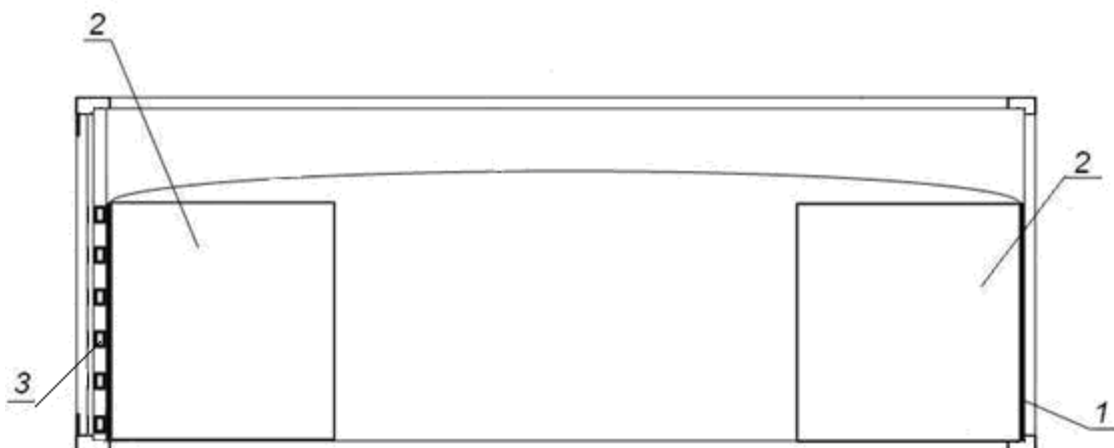
2. Fastening of a Flexitank in a container that is 20 feet long with grooves in corner posts shall be executed in accordance with the pattern included in Figure 21.

The end wall of a container shall be, full width, safeguarded with a sheet of plywood with a thickness of 8 mm, and height not less than 1500 mm. It is permitted to install a sheet of plywood composed of two parts by width, and with an overlapping value not less than 200 mm in the middle. Safeguarding plywood sheets with a thickness not less than 8 mm and in size of 1500x1500 mm shall be installed to the side walls in both ends of a container.

Figure 21

Fastening of Flexitank with grooves in corner posts

1 – safeguarding of an end wall; 2 – safeguarding of side walls; 3 – shield



A shield shall be installed on the part of the doorway opening (Figure 22).

The shield on the part of the doorway shall be, full width in the container, composed of beams made of a steel rectangular tube in size of 100x50x4 mm (not less than 6 pieces) and a plywood sheet with a thickness not less 8 mm, and a height not less than 1500 mm. The beams shall be brought in the groove of corner posts of a container and shall be equally spaced from each other, horizontally, at the height of 100 mm that exceeds the level of filling the goods. The distance from the floor to the lower beam shall not be more than 250 mm. The length of the beams shall be selected so that their ends should go into the grooves of corner posts not less than 3/4 of the groove depth. The beams shall be fastened to the safeguarding sheets by means of textile straps or plastic clamps. It is permitted to install a sheet of plywood composed of two parts, by width, with the overlapping value not more than 200 mm in the middle.

Figure 22

Safeguarding of the doorway opening in a container with grooves in corner posts

