



**RECOMMENDATIONS FOR TRANSPORTATION, STORAGE AND UNPACKING OF THE PROTECTIVE BULLETPROOF LAMINATED GLASSES**

**PRODUCED BY THE LLC MAGISTRAL LTD**

**1. TRANSPORTATION**

Transportation must be carried out in covered vehicles in accordance with the rules of goods transportation, effective for this type of transport and in compliance with the requirements of the handling marks placed on the packaging (box).

Handling marks as per GOST 14192, placed on the box:

	«Protect from moisture»	The cargo must be protected from moisture.
	«Top, handle with care»	Cargo item at any handling manipulations should be in the indicated position.
	«Fragile, Caution»	Cargo is breakable, brittle, fragile, precision and responding to a concussion.

When transported the boxes with the products must be rigidly fixed, inadvertent movement thereof is not permitted. As a rule, use one of the following ways of the boxes fixing:

<i>Ratchet tie-down straps.</i>	This is the most commonly used method of attachment. It is reliable and easy to use. Ratchet tie-down strap is a textile tape having at the ends the fasteners (hooks, rings), to prevent loosening, the ratchet lock is used.
<i>Wooden struts.</i>	The cargo is fixed by wooden slats, which prevent its displacement. The slats are nailed to the body. <b>Attachment of the slats to the boxes is prohibited.</b>
<i>Air bags</i>	It is a modern product that is presented in the form of cushion with a valve. It has a variety of shapes and sizes. The bags placed between the loads, are filled with compressed air to fill the voids completely. The cargos fixed so are protected against displacement.

It is also allowed to use other rigging to fix the cargo, if it secures boxes.

When choosing a method of fixing one should consider the characteristics of all the goods transported at the same time.

Boxes should be placed symmetrically with respect to the body sides.

When loading trucks with bodies of more than five meters long, the loading must be carried out in the presence of the driver, based on his recommendations, since the vehicle may have specific technical characteristics.

## **2. STORAGE**

Products packed in containers should be stored horizontally in closed dry rooms at a temperature range between 5 °C and 30 °C. The boxes can be stacked to a height of max. 1 m.

The unpacked product should be stored in plastic packaging on the shelves horizontally or vertically at an angle of 10-15 degrees from the vertical, eliminating the mechanical effects and warehousing of products on each other.

## **3. UNPACKING**

Unpacking of the products should be made after removing the cover box of plywood and insert material around the product perimeter.

When moving the product without packaging, to avoid scratching, avoid friction with other objects, as well as the placing of products on each other. When moving the products without packaging and handling package during storage and installation it is recommended to use a vacuum grippers (suckers), corresponding to the mass of the transported glass unit.