



(ISO – QSCert – 9001)
(ISO – QSCert – 14001)

INSTRUCTIONS FOR PACKAGING / TRANSPORT, STORAGE, HANDLING AND INSTALLATION OF FORTEM 117 x 75 MM LINTELS

1. PACKAGING AND TRANSPORT:

- The prefabricated linear masonry elements, **FORTEM lintels 117 x 75 mm** are delivered in tied stacks, referred to below as ties and placed neatly on prefabricated **FORTEM lintel 117 x 75 mm** elements. 2 supporting lintels for ties up to 2 meters long (inclusive) and 3 supporting lintels for ties with lintels up to 3 m long.
- **FORTEM lintels 117 x 75 mm** are tightly tied by crimping with metal anchoring tape, to avoid transverse and longitudinal movements during transport / handling.
- **FORTEM lintel ties 117 x 75 mm** will be transported / handled / stored only anchored with anchoring tapes, to avoid damage to them or possible accidents.
- The transport of **FORTEM 117 x 75 mm lintels** is done only with appropriate automotive means and in complete safety conditions. The lintel connections will be mandatorily anchored with straps by the drivers to avoid any incidents. They will be arranged in the means of transport depending on the road conditions.

2. LOADING/UNLOADING/MANIPULATION:

- **FORTEM 117 x 75 mm lintels** are loaded/unloaded using a forklift truck, with at least two forks.

The forklift forks must be equipped with rubber strips on the upper and vertical parts, which will prevent damage to the products (of the ceramic coating).

- During loading/unloading of **FORTEM 117 x 75 mm lintels**, the presence of persons around the connection on the forklift forks is prohibited, in order to avoid potential accidents.
- Handling of the **FORTEM 117 x 75 mm lintel** shall be done mechanically or manually. Manual handling is done with the help of two persons, one at each end of the lintel.

3. STORAGE CONDITIONS:

- **FORTEM 117 x 75 mm lintels** are stored according to their lengths. Only two bundles of the same size can be stacked so that the supporting lintels are in the same vertical plane. The storage height may vary depending on the characteristics of the forklift truck.

- **FORTEM 117 x 75 mm lintels** are stored in the original bundles from the manufacturer or separately, in a horizontal position, using as support for lintels, wooden pallets, wooden blocks, other lintels, etc. positioned at the same distance between them as recommended by the manufacturer to avoid accidental bending under its own weight.

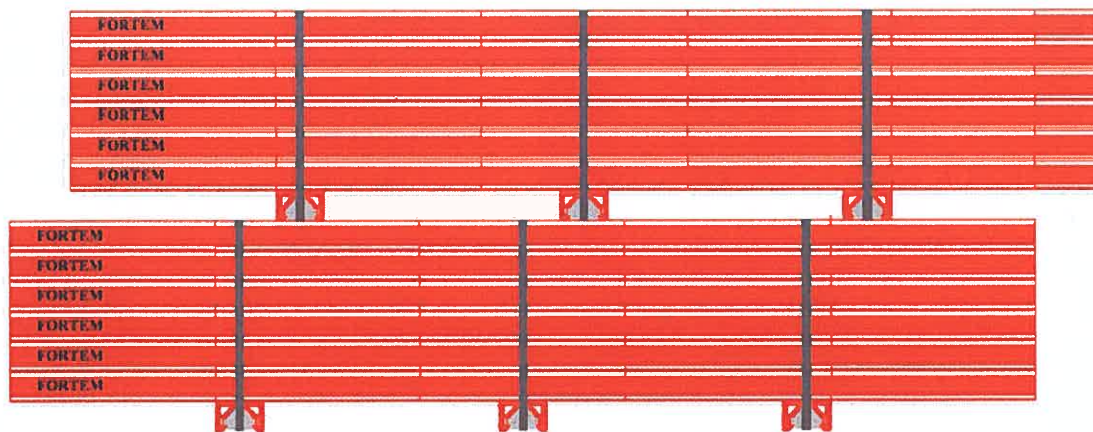
- On the construction site, **FORTEM 117 x 75 mm lintels** will be stored horizontally, on wooden blocks. **FORTEM 117 x 75 mm lintels** will be supported with wooden blocks at an end distance of 1/6 of the lintel length.

For dimensions over 2 m, another wooden block will be added located halfway between the 2 blocks already positioned towards the ends.

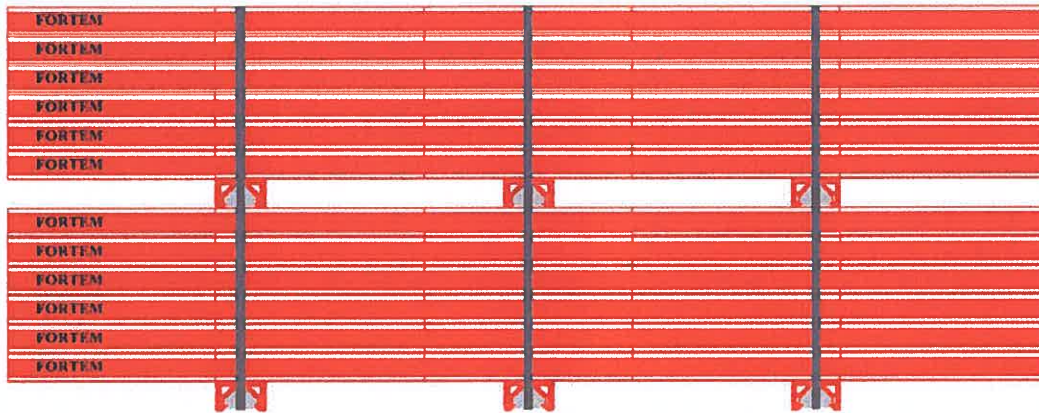
- In the case of outdoor storage or installation without plastering, safety/protection measures will be taken against phenomena (rain, hail, snow, frost or possible impacts with blunt objects).

- The storage surface must be flat and drained.

Incorrect storage



CORRECT storage



4. INSTALLATION INSTRUCTIONS:

- The installation of the prefabricated **FORTEM 117 x 75 mm** elements will be carried out in compliance with the technical regulations and specific codes in force on the date of installation.
- The following instructions will be observed:
 - a. **FORTEM 117 x 75 mm lintels** are installed horizontally, only above a bed of masonry mortar with a minimum thickness of 10 mm. The support length of the lintel must be at least 250 mm, at each end of the lintel (left-right).
 - b. **FORTEM 117 x 75 mm lintels** with lengths over 1,500 mm must be supported for installation, so that the distances between the mounting supports (or between the masonry and the support) are min. 1 m, to avoid the danger of their bending by compression until breaking, due to excessive masonry loads.
 - c. Mounting supports can be wooden props with two wedges or telescopic steel props provided under the lintels with rubber or wood, to enable their easy and careful removal after the hardening of the masonry above (overcasting).
 - d. Lintels with cracked or seriously damaged concrete must not be installed.

Additional information can be accessed on the official website: www.fortem.ro

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The undersigned TOMA ALEXANDRA-NICOLETA, certified interpreter and translator for the foreign language English, within the meaning of authorization no. 38050 as of January 22nd, 2016, issued by the Ministry of Justice of Romania, certify the accuracy of the translation from ROMANIAN into ENGLISH, that the presented text was fully translated, without omissions, and that, by the translation, the content and the meaning of the document have not been distorted.

SWORN INTERPRETER AND TRANSLATOR

