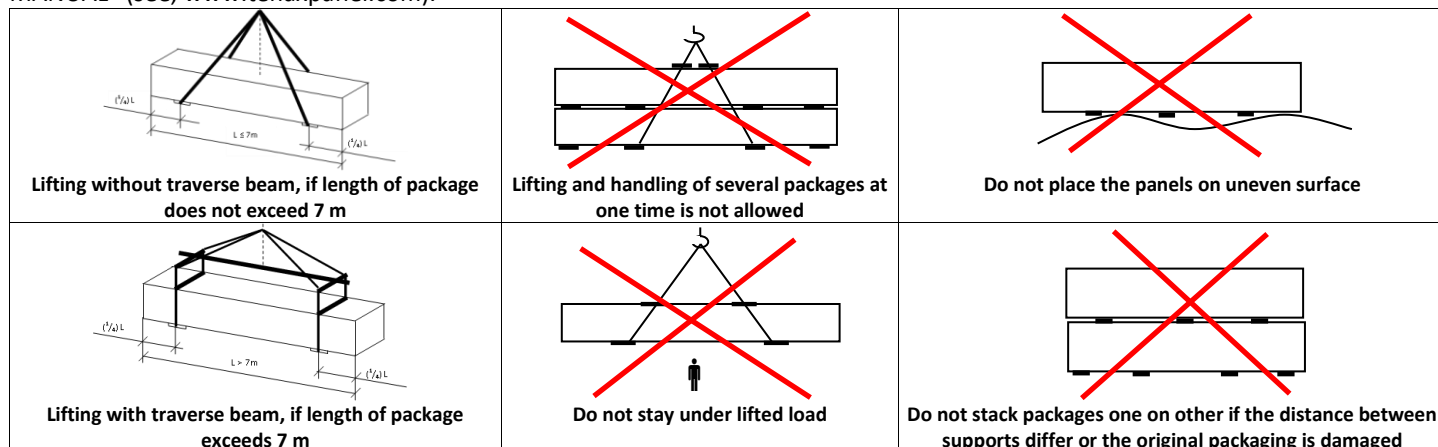


## Sandwich panels TENAX – Handling and storage instructions

The user of the sandwich panels (SP) shall carefully read the manufacturer's documentation "HANDLING AND INSTALLATION MANUAL" (see, [www.tenaxpanel.com](http://www.tenaxpanel.com)).



### Description of packaging

Each SP package is placed on polystyrene supports (pads) and is wrapped with polyethylene film. (OPTION) There are wooden profile supports fixed with polypropylene strips beneath and on the top of the SP package, and slings for the lifting are attached to the package. **Consider the information given on the sling marking!**

### Transportation

The driver of the vehicle is responsible for the transportation of the goods. The transportation of the goods is allowed only in the manufacturer's original packaging.

### Acceptance of goods

The recipient of the sandwich panels is fully responsible for the unloading and storage. Before starting to unload sandwich panels, check whether the packaging and products are not damaged. In case of damage please make appropriate notes in the delivery documents and contact TENAX PANEL regional representative immediately. Reports regarding damage shall be done in written form and signed. Delayed reports regarding transportation damage will not be considered.

### Unloading of goods

Ensure that core of the sandwich panel is protected from precipitation all the time starting from unloading until the end of installation. Ensure that panels are stored in an appropriate place after unloading from truck. Avoid repeated replacement of the panels. Use lifting slings which are included in the package when unloading the packages with crane. In order to prevent deformation of panel use sufficiently long slings or use traverse beam. When using the forklift, ensure that provisions given in Table 1 are observed. Take care to avoid scratching of panel's surface with forklift. Cover the forks with soft material (e.g. polystyrene sheets). Packages shall be lifted one by one. Lifting and handling of several packages at one time is not allowed. Do not pull or push panels over surface. Observe the handling signs.

**Table 1. Provisions for lifting the panel packages with forklift**

Panel Length, m	Number of lifting supports	Distance between lifting supports, m
≤ 7	2	1,50
> 7	4	1,50

### Storage of goods

Store the panels in original packaging. Outdoor storage of panels shall not exceed 2 months. If storage time at building site is expected to be longer than 2 months, store panels protected from the precipitation, the dirt and the sun. Packages shall be on supports when stored or handled. During manufacturing process of panels the polystyrene supports with dimensions 1100 mm x 200 mm x 150 mm (length x width x height) are attached to the package

Table 2 shows the maximum spacing between supports during the storage period. Check whether delivered packages are supplied together with supports. If packages are received without supports, please contact supplier.

**Table 2. Spacing between supports during the storage period of sandwich panels**

Panel Type	Spacing between supports, m
TENAX W MW	1,0
TENAX W PUR	1,7
TENAX W PIR	1,7
TENAX TR MW	1,5
TENAX TR PUR	2,0
TENAX TR PIR	2,0

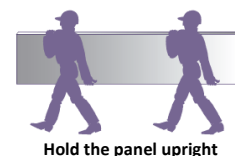
Place the panel packages with supports on even and firm surface prepared before the panels are received. Surface of the lowest panel in package shall not touch the ground. When storing the sandwich panel packages outdoor, put them in slightly inclined position to ensure free drainage of rainwater. It is recommended to unload packages in places without intensive traffic. Store the packages with at least 0,5 m clearance in order to allow access for workers.

Unpacked packages can be stored one on other in two rows levels provided that location of supports of the upper package corresponds vertically to location of the supports of the package beneath it. Do not stack packages one on other if the distance between supports differ or the original packaging is damaged. Do not put on the panels any loads or objects that could damage packaging material or appearance of the panel. Walking on wall panels is not allowed.

If the package is opened or wrapping of package is damaged, cover the package with waterproof material (e.g. with fixed tarpaulin or equivalent) or move it under roof. The metal facings of panels are protected with protective film. The film shall be protected from solvents. The film should be protected from direct sunlight and precipitation. Follow the recommendations for the time of removal of the protective film.

### Lifting and moving of panels

Single panels can be moved manually or using lifting tools. Do not lift the sandwich panel by holding it at the top facing. When lifting the panel manually, hold it at the bottom facing. Prevent sandwich panels from scratching and deformation. Use protective gloves and ensure that sandwich panels are not damaged. Draw particular attention to corners and edges. When moving the panel manually, hold it upright (see Figure). Do not carry the panel flatly. When moving the panels with lifting devices, use appropriate lifting tools. Fasten the lifting tools according to instructions of tool manufacturer. When lifting the upper panel from the package take particular care to avoid any damage to the next panel beneath it.



Hold the panel upright

### Removal of protective film

The protective film protects the surface of the panels against contamination during construction. The environment changes the properties of film and it's adhesive with time. **The protective film shall be removed from the panel not later than 2 months from the date of production of the panel.** If this timeline is not observed, the removal of film from the surface of panel could become difficult. It is advisable to remove the protective films from panel as close as possible to the finishing time of construction. Peel the protective film off in one piece starting from the cut edges of the panel. Before installation remove the protective film from the panel at places of joints and where fasteners will be inserted. **To avoid situation where protective film strips or the remains of adhesive are left on the panel, it is recommended to remove the film in temperature range from 5 °C to +30 °C.** The protective film peels off more difficultly and the remains of adhesive could be left on the panel if the temperature is lower or higher.

### Installation of sandwich panels

Sandwich panels shall be installed in accordance with manufacturer's documentation "HANDLING AND INSTALLATION MANUAL" (see, [www.tenaxpanel.com](http://www.tenaxpanel.com)). Before mounting of panels visually check panel quality. In case of defective panel immediately inform the manufacturer.