



# GENERAL GUIDELINES FOR TRANSPORTATION, LOADING, UNLOADING AND STORAGE OF PH INSULATION SANDWICH PANELS

## TRANSPORT

1. For the transportation of sandwich panels please use trucks with inside body width of at least 2.45 m (8') and with open platforms without boards.
2. The driver should be able to put to the side or remove truck side racks.
3. The body should be clean, flat, and free of foreign objects.
4. Sandwich panels should fit into truck body. Do not lift and carry sandwich panels, if they extend beyond the either side of the truck.

## TRANSPORTATION

1. The total height of the packs should not exceed 2.56 m (8'3").
2. Do not put other loads on packs.
3. Unpacked sandwich panels should be fixed in the truck with cargo straps.
4. Packed sandwich panels should not touch side racks, truck boards and any objects in the truck body.
5. The vehicle carrying the panels should move at a speed of no more than 80 km/h (49.7 miles per hour), avoiding speedy maneuvers, rapid acceleration and harsh braking. Every 100 km (100 km or 60 miles the driver should control the load, in particular - check whether the cargo belts are fastened properly.

## LOADING AND UNLOADING OF SANDWICH PANELS

1. Panels should be loaded and unloaded at the flat loading space with a slope of no more than 5°.
2. Lift packs only one by one.
3. Use the mechanisms with a lifting capacity of at least 5 tons (11,023 lbs) with metal traverses of the appropriate length, textile slings and rubber pads with stops. Do not use steel slings or chains. Panels packages up to 6 m (19'6") long should be lifted by a front forklift with capacity of at least 5 tons (11,023 lbs), packs with a length of 6 to 16 m (19'6" to 52'4") – by a side forklift with an attachment on the carriage with additional forks.
4. For transportation on construction site or moving sandwich panels to another trucks or vans please use special loaders.
5. Do not
  - damage the packs
  - walk on packed and unpacked sandwich panels
  - jolt, drag or push packed or unpacked sandwich panels
  - perform actions that could mechanically damage sandwich panels: sandwich panels causing dents, deflections, scratches, chips, other types of deformation

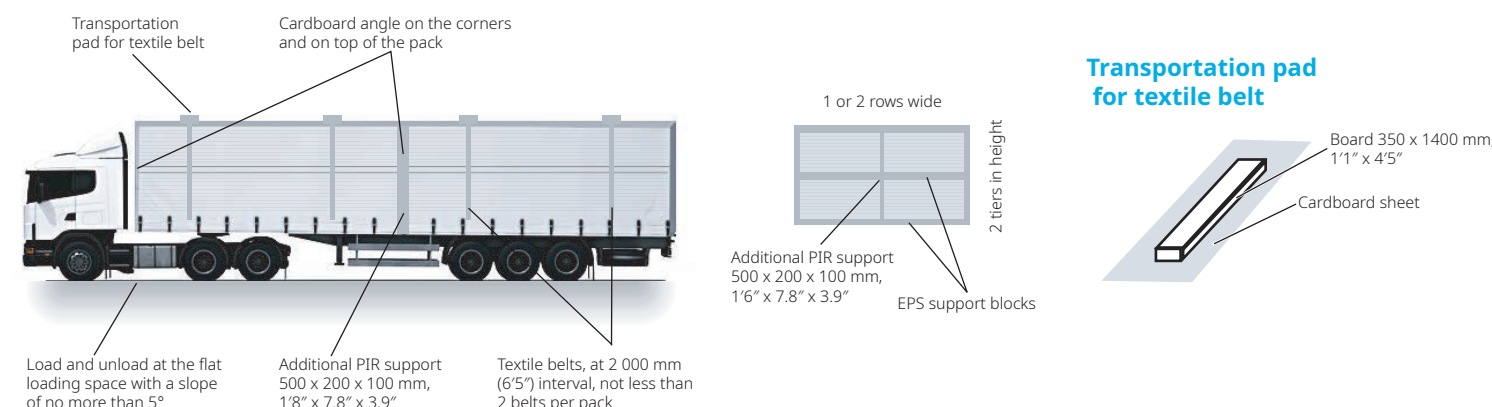
## STORAGE

1. Store sandwich panels on a flat surface with a slope of maximum 5%.
2. Store sandwich panels up to two packs in a stack. The upper pack should not extend beyond the bottom one.
3. The total height of the stack should not exceed 2.56 m (8'3"). Place wooden supports (at least 10 cm, 3.93") thick under the bottom pack with a maximum 1 m (3'2") span between the supports.
4. Store sandwich panels in their waterproof factory package in an open or semi-closed warehouse and follow the fire safety procedures. Keep the panels away from moisture.
5. During short-term outdoor storage, protect the panels from direct sunlight, dust, and precipitation. Gently tilt the packs to prevent the accumulation of rainwater.
6. In case of damaged package, restore its tightness as soon as possible using adhesive tape or stretch film.
7. The wrap should be removed immediately after installation. After this time, it may be difficult to remove the wrap, and panel coating may deteriorate. It is not recommended to remove the wrap at temperatures below -5 °C.

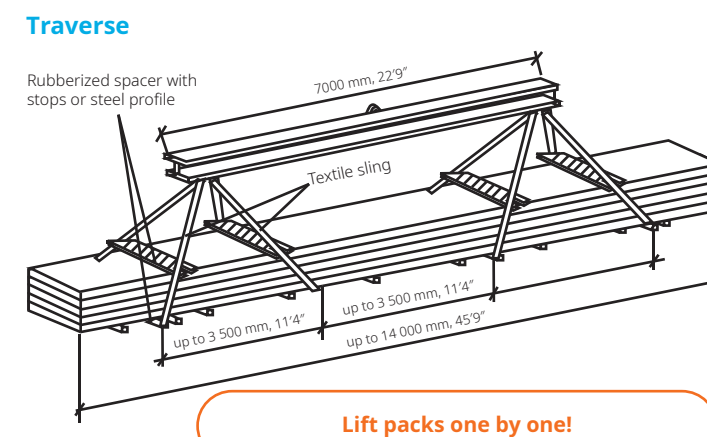


**AVOID RAPID ACCELERATION AND HARSH BRAKING!  
EVERY 100 KM CHECK THE CARGO AND THE BELTS FASTENING!**

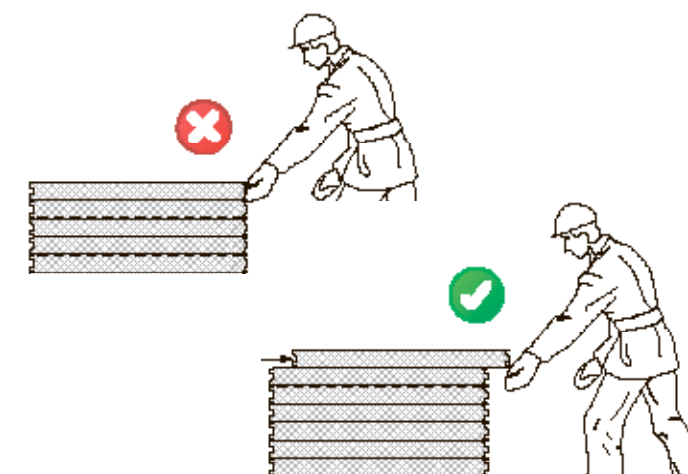
## 1. LOADING THE PANELS



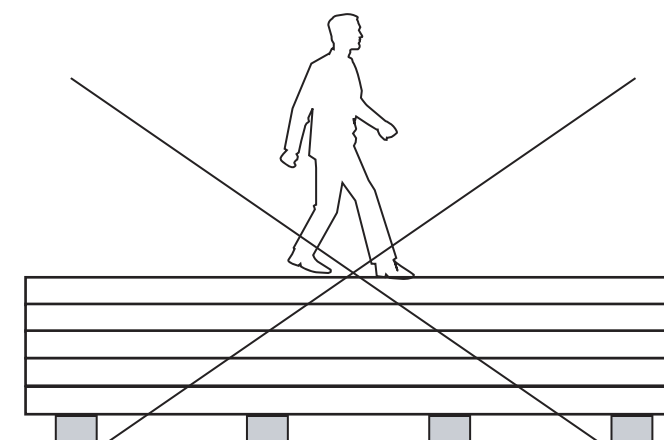
## 2. UNLOADING BY CRANE



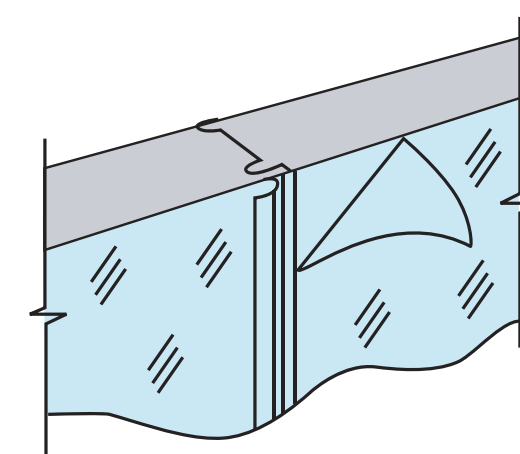
## 3. DO NOT LIFT PANELS BY THE LOCK



## 4. DO NOT WALK ON PANELS



## 5. REMOVE THE WRAP IMMEDIATELY AFTER INSTALLATION



## 6. TRANSPORTATION MARKING SYMBOLS

