

Tubbox[®] Column Formers Installation Guidelines

A. Transport

- Avoid pressure points: support the tube over its entire length on a level surface.
- Protect the tube from rain, wind and abrasive loading.
- Always fasten securely.

B. Storage

- Tubes must be stored vertically where possible.
- Always store tubes out of direct sunlight.
- Protect tubes from rain and moisture.
- Protect tubes from rising damp and condensation.
- Provide sufficient ventilation if tubes are stored under plastic sheeting.
- Protect accidentally damaged surfaces with tape to prevent moisture ingress.

C. Installation

- Before erection, remove all outer and inner packaging.
- Always check the tube and inner lining for any damage/displacement - **damage must be reported immediately.**
- Any edges cut on site must be sealed against moisture ingress.
- Always set up the tubes with the arrow pointing upwards.
- Tubes must not be set up in puddles.
- Lower tubes carefully over the reinforcement and spacers (do not force).
- Base fixing - secure the base position with kicker spacers or timber shoring.
- Top end fixing – secure at three quarters height using special FRANK strapping and plates. Support with three props.
- Ensure levels are correct and plumb vertically.

Caution: Forcing Tubbox[®] over any protruding spacers or reinforcement bars will damage the inner surface.

We recommend the use of FRANK extruded fibre concrete wheel spacers to avoid damage.

For tubes with inner profiled surfaces that are to be installed at an inclination, extra care must be taken to avoid damage or distortion to the profile.

D. Concreting (to BS EN 13670)

- To prevent concrete segregation avoid free fall heights exceeding 1.0 m.
- Use either a concrete chute or pump hose to pour in approx. 500 mm stages.
- Only use immersion vibrators and do not over compact.
- Ensure that the vibrator or hose does not contact the inner tube surface.
- Re-vibrate the top 100mm of the pour to ensure the surface quality.

Recommended pouring rates:

Dia. < 450 mm - 6.0 m/hr

Dia. > 450 mm - 3.0 m/hr

Height > 6.0 m - 2.0 m/hr

E. Stripping

- Pull the ripcord after a maximum of 2 days and always loosen the tube and internal liner from the concrete surface.
- The external casing of the tube can be set around the column again as protection.
- If the liner is not stripped from the column after 2 days, the surface quality of the concrete may be affected.
- Normal curing periods should be observed.

F. Disposal

Tubbox[®] is predominantly made from cardboard. Cleaned tubes can be sent to waste incineration plants or disposed of with cardboard waste.

Attention: This column former was produced in accordance with ISO 9001:2000 procedures, inspected and despatched in perfect condition.

Transport damages or any other faults must be indicated on the paperwork upon receipt of the goods. Our responsibilities are restricted only to damages which are duly noted immediately upon receipt of the goods.

These guidelines are a condensed description of factors having a direct effect on the performance of Tubbox[®] column formers and are based on the current state of the art. It may be necessary in future, to alter these recommendations. It is the customer's responsibility to ensure that this product is suitable for its application.

Attention: claims for damages will not be considered if the above installation guidelines are not followed.