











# Guidelines for the setting-up and use of building site silos

GUIDELINES FOR THE SETTING-UP AND USE OF BUILDING SITE SILOS	
To be observed by the  driver of the silo truck  fitter  user	
 	1. With erecting/handling no unauthorised persons are to be in the danger area of the building site container.
	2. Building site containers may be transported and relocated by authorised persons using only acceptance fittings and using only equipment suitable for this. Transporting by crane is not permitted!
	3. The place of erection of the container is to be so selected and prepared that the container transport vehicle and the silo lorry can drive to and away on a secure track. Safety separation to overhead electrical lines is to be maintained. If this cannot be observed then discussions have to take place with the energy supply company. The place of erection selected by the local building supervisor is to be pointed out to personally or is to be clearly identified.
	4. A level place of erection of at least 3 m x 3 m must be available. The place of erection must be secured against wash-out and lateral slipping.
	With erection in the area of lined excavations, the sheeting is to be verified statically in accordance with DIN 4124.
  	The container must stand vertically. Particular care is to be taken in the area bordering excavations, pipe trenches, embankments and similar, with piled soil, with longer standing times of the container as well as with unfavourable weather conditions [e.g. frozen ground].
 	During the standing period, in particular with the filling of the container, the foundation is to be observed continuously for any sinking. If required, countermeasures are to be taken in good time.
	5. If building site containers are erected in areas of public traffic, then a special permit for the erection on footpaths or roads in accordance with the local Road Traffic Act (RTA) is to be obtained; the container is to be marked using reflecting foils in the colours red and white. The permit in accordance with the RTA is to be verified to the positioner.
	6. The ground loading with filled container is up to 0.3 N/mm <sup>2</sup> . The load bearing capability of the place of erection is to be guaranteed accordingly.
	7. With insufficient load bearing capability of the ground, a foundation is to be established. Normally reinforced concrete foundations are to be selected. With this, slab or strip foundations are to be preferred to individual foundations. In place of concrete foundations a railway sleeper foundation can also be laid if load bearing subsoil with a permitted foundation pressure of more than 0.2 N/mm <sup>2</sup> exists. Planks used for a sleeper foundation must be 3 to 3.5 m long, 30 cm wide and 8 cm thick DIN 1054 applies for the permitted loading of the foundation.
	8. Empty containers must, if necessary, be anchored against the force of wind.
	9. Before filling, the filling and ventilation pipelines are to be checked that they are clear and all safety facilities are functioning, the dust bag is to be connected. The container must be filled without surges. Pressure in the container resulting from filling may not exceed 0.1 bar. The release of residual air in the container is not permitted.
  	10. Ventilation pipelines are always to be kept open. Pressure may not build up in the container!
  	11. All damage and manipulations to the building site container are to be notified to VG-ORTH without delay.
	12. The person ordering/lessee/user takes responsibility for all hazards and damage which occur through the use of the container and the operation of the conveyor and plaster machines.
	13. If with removal an electrical vibrator is employed for the improvement of the material outflow behaviour then this is to have a flow force of max. 3 kN [300 kp]. The welded on vibrator plate serves exclusively for the securing of the vibrator. <b>A vibrator may be operated only at the same time as the conveyor or mixing machine!</b>
 	14. With the loading of the building site container on to the transport vehicle all attached equipment and machines must be removed from the pivoting range.
	Before transportation, the cover and standing frame of the container must be cleaned off; filling openings and outlet caps of the building site container must be closed.

Safety regulations and accident prevention provisions apply: ZH 1/589 Guidelines for the exchangeable tilting and settling container; VGB 1 General provisions; VGB 74 (Ladders and steps; VGB 112 Silos; General accident prevention provisions.