

Pannkoke has developed a Vacuum Lifter for Profilit Glass



For a parking garage construction in Frankfurt/Main, Germany at the exhibition area at Rebstockpark, Messrs Terlinden - transparent constructing - from Xanten, Germany received the order to install 10.000 m² Profilit Glass and this with a glass length of over 5,30 m.

The company Wilhelm Terlinden GmbH & Co. KG developed the concept to set in the cut-to-length Profilit Glass from the upper parking floor. The Profilit Glass packages had to be distributed with a construction crane to the corresponding positions on the parking floor. Terlinden wanted to set in the Profilit Glass from above with a small and easy movable mobile crane and a vacuum lifting device. A suitable vacuum lifting device wasn't found on the market. All vacuum lifting devices which are on the market are only suitable for wider glass elements and not for Profilit Glass of over 5,30 m length. Because working safety is a big issue for Messrs Terlinden, it had to be a battery-operated and light vacuum lifting device.



The company Terlinden came to us and explained their problem. Within a short period of time we got a special vacuum lifter with the suction cups arranged three on top of each other. The chosen mobile crane was equipped with two chain tensions in order to control the lifting movements quicker and more efficiently. With this device combination it was now possible to glaze economically and without a risk the over 5,30 m long Profilit Glass lines.





The newly developed vacuum lifting device 7011-CXSO for Profilit Glass glazing is equipped with the thousand-fold used and proved accumulator technique of us. Furthermore it is possible to easily retrofit the device, via the simple exchange of a few parts, for other tasks. With that, one is able for example to install not only window elements or insulating glass panes but also glass steps for a stair can be laid. We know well that there is little chance a vacuum lifting device used only for the glazing of Profilit Glass can get full use, because how often has one to glaze 10.000 m² of Profilit Glass?



Author:
Bernd Pannkoke,
Graduate in Civil Engineering
Pannkoke Flachglastechnik GmbH

