



Figure 1. The construction site at Shekou Container Terminals.

When the construction of the quay for Shekou Container terminal was commenced in December 2002, Controlled Permeability Formwork was not specified. However, the client wanted a dense concrete surface to protect the quays from the constant exposure to salt water, and thereby achieve a longer service life with reduced maintenance costs. Formtex[®] CPF liner was then chosen to secure a dense concrete with extended durability in this aggressive environment.

Process



Figure 2. A formwork element lined with Formtex[®] ready for casting.

Formtex[®] was glued to the formwork (see Application Guide: gluing method) as the formwork was made of metal. The site workers installed Formtex[®] easily and effectively.

Follow-up



Figure 3. Casting of parapet and finished result.

Formtex[®] was used a further two times in this project. Total quantity of Formtex[®] used was 15,000 m². The client was very satisfied with the high quality concrete surface achieved by using Formtex[®], and recommends it for other projects.