

Reinforcement of structures under a severe corrosive environment

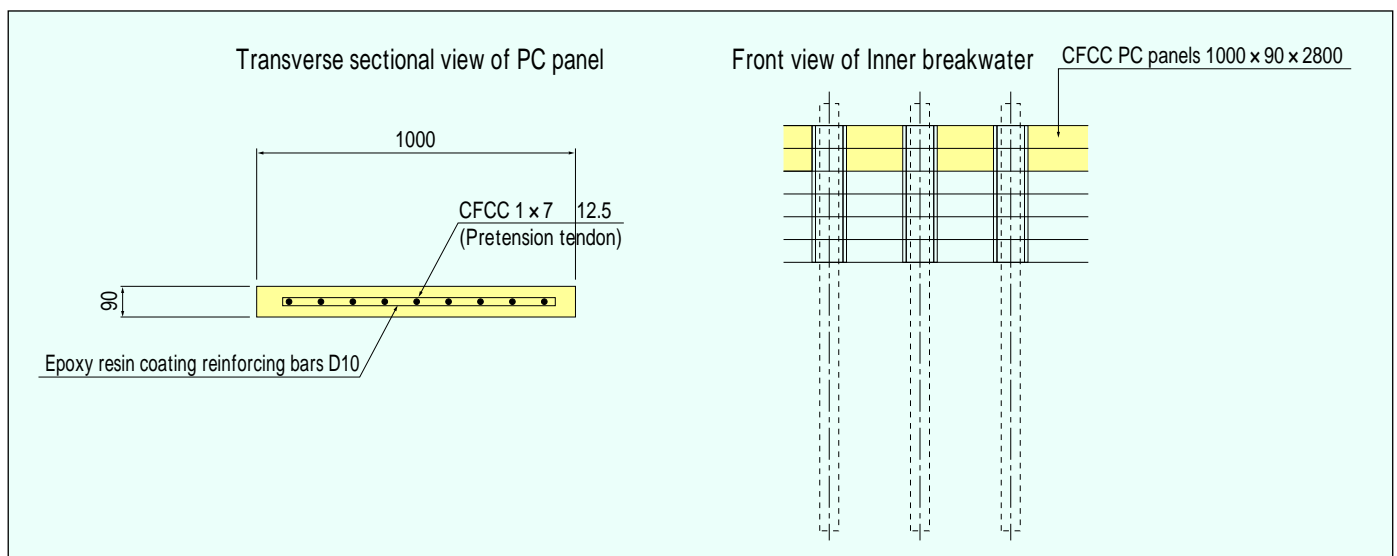
Inner breakwater at the Kaiwomaru Park

Prestressed concrete (PC) panels using CFCC as pretension tendon were adopted for the construction of the curtain-type inner breakwater at the Ocean Park in Toyama Prefecture, Japan. The structure consists of six rows of PC panels used between steel piles. CFCC was used as the tendon in the PC panels comprising the upper two rows (near the splash zone), which is often easily affected by salt-injury damage (steel material corrosion).

Client	Toyama Prefecture
Location	Toyama Prefecture (Japan)
Dimension	PC panels (2.8m x 1.0m x 9cm) 66 panels are used among 198 panels
Material	CFCC 1 x 7 12.5
Application	Pretension tendon for pre-cast PC slabs
Completed	April 1995



Schematic drawing of structure



< From the ACC Club Catalog >

