



Wharf for Jacksonville Electric Authority

Jacksonville, Florida, USA



Completion Date
2000

Engineer
BLACK & VEATCH

Contractor
GATE CONCRETE PRODUCTS

Products
ADMIX C-1000 NF

Project Type
PRECAST PILES IN SALT WATER



For chemical and chloride protection, Xypex **Admix C-1000 NF** was dosed into the concrete at a rate of 1.5% by weight of the cement. Xypex was used in the pilings and other various concrete structures around the wharf. There was concern that during movement and transportation of the precast elements micro and macro cracks would form. This was especially true for the piles themselves due to the impact forces associated with driving them. Xypex was used in these elements to heal cracks and densify the cement matrix reducing chloride ingress into the concrete.

Xypex was chosen to extend the “expected time to corrosion” for the piles and other elements, lengthening the life of this concrete structure. A total of 125,000 lbs. (57,000 kg) of Xypex Admix C-1000 NF was used in this project.

