

Specification Section 455

Subarticle 455-7

ORIGINATION

Date: 6-20-2024

Name: Ben Goldsberry

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COMMENTARY

This change provides temporary protection to the exposed ends of carbon steel strands and reinforcing bars from chloride water. The temporary protection is for the period after pile cut-off and prior to the permanent condition of being encased in concrete.

INDUSTRY COMMENTS AND RESPONSES

BLACK = Comment BLUE = Specifications Response GREEN = Change Made to Specification

Name: Richard DeLorenzo

Date: 7-17-2024

COMMENT: Consider specifying Type F-1 epoxy in lieu of Type K. Reference Section 450-11.6/ 450-11.6.3 for protection of strand ends.

RESPONSE: There are two high tides per calendar day, so the epoxy will be inundated by the next tide before it cures. Type K was selected because it's an underwater epoxy which would cure after the pile is inundated. We are open to another type of epoxy that cures in water, otherwise it's recommended to stay with Type K.

ACTION TAKEN: No change.

Name: Matthew Webb

Date: 8-1-2024

COMMENT: Should the last paragraph include a statement, saying epoxy must be cured prior to high tide occurring? Some cure slower than others.

RESPONSE: Type K is an underwater epoxy which will cure after the pile is inundated.

ACTION TAKEN: No change.