

3470501 PORTLAND CEMENT CONCRETE – CLASS NS
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

Charles Boyd/Robert Robertson
Structures Design Office
414-4275/414-4267

Comments: (9-22-17)

Maybe they plan to rely on acceptance of any given component made with NS concrete based on component specific criteria such as what is already in 520-7. If that is the case, why is the 1/4" vertical criteria allowed to remain in 347-5.1?

Seems to me that 347 should specify material issues up to and including plastic properties and stop. 346 does not cover cracking or even curing so why does 347? Seems these two specifications should be parallel in content and limits.

Response: The proposed change to the 347 Specification clarifies the acceptance criteria for elements using Class – NS concrete.

No change made.

Deborah Ihsan
954-777-4387
deborah.ihsan@dot.state.fl.us

Comments: (10-2-17)

With deleting the word "width", we do not know the crack width that is unacceptable?

Response: There is no width requirement, only vertical displacement to define the crack.

Comment is non-persuasive, no change made

Neil A Monkman
239-462-7371
neil.monkman@wcgfl.com

Comments: (10-13-17)

The last 2 paragraphs of this specification have created confusion for years as they appear to conflict. One has to read the last paragraph to understand that uncontrolled or "random" cracks appear to be delineated separately. However, the second to last paragraph does NOT indicate that this is limited solely to control joints or other controlled cracking accommodating measures. Too many times on sidewalks there have been arguments that hairline cracks outside of a saw cut joint should be accepted because they are not greater than 1/4" and they HAVE been accepted. Just depends on how it is being read. I misinterpreted the verbiage for a long time. Suggest changing the first sentence of the 3rd paragraph to "...or has any controlled cracking greater than 1/4 inch...." This makes it clear that no control joint will be accepted with vertical separation > .25" and that random or uncontrolled cracks may not be accepted. The removal of the 1/4" width limit is a vast improvement to the spec.

Response: Comment is non-persuasive, no change made.
