

9210000 PORTLAND CEMENT AND BLENDED CEMENT
COMMENTS FROM INDUSTRY REVIEW

Ghulam Mujtaba, P.E., C.P.M.
State Prestressed Concrete Engineer
Florida Department of Transportation
5007 N.E. 39th Avenue, Gainesville, Florida 32609
Phone: (352) 955-6685, Fax: (352) 955-6689

Comments (Internal Review):

The following are my comments:

1- Section 921-1.2

The proposed specification has mentioned that "the cement may be used". It should indicate that "is allowed as a materials ingredient of concrete". The cement has other uses, such as soil cement.

2- Section 921-1.3 -Second line

Change environment to environments.

At the beginning of the paragraph, mention that this paragraph is applicable to Types II and IV cements and delete the last sentence "Do not apply these requirements to Type I or II cement".

3- Section 921- 2 Last paragraph

Change "analysis" to analyses" . The nouns are plural.

4- Section 921-5.1 second paragraph

In the fifth line: our information has been mentioned. Delete "our".

In the Section sometimes the word "shall" has been used and other times, "will" has been used. Use one of them to be consistent.

Response:

Karen Byram
karen.byram@dot.state.fl.us
(850) 414-4353, FAX: (850) 414-4199

Comments:

Section 921-2 Under Terminology:

I am confused if the requirements are in addition to the SMO approval or they describe the SMO approval criteria. If they describe it, first part of the description should be removed. If it is in addition to SMO approval, SMO approval criteria needs to be defined and this section should be rewritten to include the word "and": Approved Laboratory - indicates a laboratory acceptable to the State Materials Office "and" which has been...

921-5.4 Can the District withdraw QC Plan approval? If so, the wording should be changed from State Materials Office to Department.

Response:

Daniel F. Haldi
daniel.haldi@dot.state.fl.us
UserTel: 386-740-3516, UserFAX: 386-736-5178

Comments:

Section 1.3 Heat Hydration: Not sure when cement can be used for Extremely Aggressive Environment?

Section -2 Terminology: Not sure about terminal or transfer facility between point of manufacture (ie overseas, out-of-state) and concrete producer., and,

Mill Test Report: From cement "supplier" not "producer" for terminology consistency.

Section -5.4, 2nd paragraph, 1st sentence: ...failing cement sample taken "by" or "for" the department ...and

3rd paragraph: Split samples will be provided ... NOT "from the additional sample"; I think this is no longer true?

End of comments.

Response:

Sean P. Masters Sr., P.E.
District 1 & 7 Concrete Engineer
Florida Department of Transportation
801 N. Broadway, Bartow FL, 33830
(863) 519-4364 <voice> (863)519-5119 <fax>

Comments:

I have a comment regarding the changes to Spec 9210000

Under 921-1.3 Heat of Hydration: A caveat at the bottom of the section is added to exclude Type I cement along with Type III. I am having trouble reconciling the two. If the issue is checking Heat of Hydration, Type III is designed to react faster, so its Heat of Hydration will be higher compared to the others. Type I can only be used in slightly aggressive environments anyway without blending with fly ash, etc. Why is Type I being added to the exclusion? It seems a little unnecessary.

Response:

Clinton J. Shaw
Specifications Development Administrator
Florida Department of Transportation
(850) 414-4129
Clinton.Shaw@dot.state.fl.us

Comments:

Reference to Section 6-8 for quality control requirements, in 921-5.1 is to be deleted. Reference should be to 105-3.

Response: Correction has been made.
