

Response To Comments Received From Industry Review

Ghulam Mujtaba

The following are my review comments related to the proposed specification:

1- Subarticle 530- 2.1 (1): There is no need to mention that "do not test cement".

Instead mention that "Provide cement from an approved source meeting the requirements of 921. Certify that cement meets the requirements of the Contract Documents."

The proposed language is in conflict with each other. It mentions that it should not be tested in accordance with 921 and also it specifies that it should come from an approved source.

Response: Accepted. Delete the first sentence of Subsection 530-2.1, that is Item (1) and replace with the following: *"Provide cement from an approved source meeting the requirements of 921. Certify that cement meets the requirements of the Contract Documents."*

2- Subarticle 530- 2.1 (4): Delete the sentence "The Contractor need not test the cement or sand between the sacks in accordance with Section 346" and reword the rest of the paragraph.

Explicitly require what type of cement and quality sand is required. There is no need to mention "as determined by the Engineer". It will make the job of Engineer and Contractor difficult, unless the required material is specified.

3- Subarticle 530- 2.2.1: Replace the table with the following simple wording:

- (1) At least 97% of the stone shall be lighter than 700 Lb [320 Kg].
- (2) At least 50% of the stone shall be heavier than 300 Lb [135 Kg].
- (3) At least 85% of the stone shall be heavier than 60 Lb [25 kg].
- (4) The minimum blanket thickness shall be 2.5 ft [0.75 m]

Response: Reasonable comment, but the author prefers the table's clarity.

4- Subarticle 530- 2.2.2: Replace the table with the following simple wording:

- (1) At least 97% of the stone shall be lighter than 75 Lb [35 Kg].
- (2) At least 50% of the stone shall be heavier than 30 Lb [15 Kg].
- (3) At least 85% of the stone shall be heavier than 4 Lb [2 kg].
- (4) The minimum blanket thickness shall be 1.5 ft [0.45 m]

Response: Reasonable comment, but the author prefers the table's clarity.

5- Subarticle 530- 2.2.3:

Absorption test method has to be described.

Reference for drop test (EM 1110-2-2302) should be described. Is this FM or EM?

Response: Add “(FM 1-T 85)” below the word Absorption in the table in 530-2.2.3 Add the following after the * note The Engineer will waive the Drop Testat no expense to the Departement: “EM refers to the US Army Corps of Engineer’s Specifcation Engineering Method which can be found at <http://www.usace.army.mil/inet/usace-docs/eng-manuals/em1110-2-2302/c-6.pdf>”**

6- Subarticle 530- 2.2.4: Replace the "The Engineer may subject all materials to Independent Verification test" to "The Engineer may perform Independent Verification test of the materials".

Response: Agreed.

7- Subarticle 530- 3.1.1: Replace the terminology "Unit Weight" with " Density". The unit of Kg per cubic meter is density. It is not unit weight.

Response: Agreed. Replace the phrase “unit weight” in 530-3.1.1 with “density”. Also, in same sentence, replace the word “weight” with “mass”.

Mike Bergin

530-2.1(1) Allow the use of any cement that meets the requirements of Section 347 Non-Structural Concrete. This new section allows for the use of ASTM as well as AASHTO cement and allows for small quantities of concrete to be prepackaged and mixed in placed in accordance with the manufactures recommendations that may be useful in this application.

Response: Covered by response to Ghulam Mujtaba comment #1.

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Comments:

The second sentences of 530-5.1 & 530-5.2 begin with "The Contractor shall"
Can this be omitted to conform to the active voice format that the rest of the section uses?

Response: Thank you. In Subsection 530-5.1, second sentence, replace the phrase "The Contractor shall include" with "*Include*".

In Subsection 530-5.2, second sentence, replace the phrase "The Contractor shall include" with "*Include*".

In Subsection 530-5.2, third paragraph, second sentence, replace the phrase "The Contractor shall include" with "*Include*".

In Subsection 530-5.3, second sentence, replace the phrase "The Contractor shall include" with "*Include*".
