

3530000 CONCRETE PAVEMENT SLAB REPLACEMENT  
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

---

Michael Davy  
Phone: 407-506-4939  
[mdavy@argos-us.com](mailto:mdavy@argos-us.com)

Comments: (7-17-19)

A lengthy discussion was had at the Concrete Technical Council Meeting (April 3, 2019) regarding the Unit Weight requirement and rejection of loads due to falling out of the range for unit weight. It was my understanding in this meeting that a clarification was going to be made that this was NOT to be used to reject fresh concrete-only that it threw that load out of the curve, and that cylinders would be used for early strength determination, and new curves could be created. The spec revision allows for a broader density range, but still seems to allow for loads to be rejected based on fresh density. Please clarify this.

Response:

\*\*\*\*\*

Brian Price  
863-519-4245  
[brian.price@dot.state.fl.us](mailto:brian.price@dot.state.fl.us)

Comments: (7-23-19)

353-5.2 Field Delivered Mix Consistency, should state how often the consistency testing is performed.

Response:

(7-26-19) 353-5 Test Requirements, Table 353-1 Density Tolerance +/- 3.0 lb/ft<sup>3</sup>. Spoke with Dale from SMO this morning and we discussed the issue of density and came to the conclusion that density should not be used to accept or reject 353 concrete.

Response:

\*\*\*\*\*

Pete Hallberg  
407-509-4211  
[phallberg@argos-us.com](mailto:phallberg@argos-us.com)

Comments: (7-25-19)

353-5.2: Density should not be used as a means to accept or reject concrete pavement. Density is not critical to pavement operations. Density should only be used to verify the maturity curve. This revision takes away the density requirements in 353-5.3. I would propose that only slump be used in 353-5.2 and Density results would be used under 353-5.3 to verify the maturity curve. Also, if the density was out of tolerance for the maturity curve then cylinders would be cast to verify strength.

Response:

\*\*\*\*\*

Deborah Ihsan  
954-777-4387  
[deborah.ihsan@dot.state.fl.us](mailto:deborah.ihsan@dot.state.fl.us)

Comments: (7-26-19)

1. 353-3.1 – 3rd sentence in paragraph 2 may be modified for brevity and clarity (Perform the plastic property tests in accordance with Section 346, except when the mix design contains an accelerator, perform the plastic property tests prior to the addition of the accelerator) to read as :- Perform the plastic property tests in accordance with Section 346, prior to the addition of any accelerator.

Response:

2. 353-5.1 General: 3rd sentence in paragraph 1 may be modified for brevity and clarity (Perform the plastic property tests after all ingredients have been added to the load, except when the mix design contains an accelerator; perform the plastic property tests prior to the addition of the accelerator.) to read as: Perform the plastic property tests prior to the addition of accelerator; prepare testing cylinders for strength after the addition of accelerators.

Response:

3. 353-5.4 Cylinder Fabrication and Testing: 1st and 2nd sentence in paragraph 1 may be combined and modified for brevity and clarity (Fabricate three test cylinders for strength and maturity curve correlation testing. Fabricate the compressive strength cylinders after all materials, including the accelerator, are added.) to read as :- Fabricate three test cylinders for strength and maturity curve correlation testing after all materials, including the accelerator, are added.

Response:

\*\*\*\*\*