

From: [Bergin, Michael](#)
To: [Ruelke, Timothy J.](#); [Vinik, Paul](#)
Cc: [Toole, Deborah](#); [DeLorenzo, Richard](#)
Subject: RE: S925 Curing Compounds
Date: Wednesday, January 30, 2013 11:01:13 AM

Tim

This change is a reference to new specifications. We have changed from AASHTO M148 and AASHTO M171 which are no longer supported to ASTM C309 and C171 which are supported by ASTM.

Other than that there are no changes to the Section 925.

Michael Bergin, PE
State Structural Materials Engineer
State Materials Office
Gainesville, FL 32609
352-955-6666
New Email, michael.bergin@dot.state.fl.us

From: Ruelke, Timothy J.
Sent: Tuesday, January 29, 2013 4:46 PM
To: Bergin, Michael
Cc: Toole, Deborah
Subject: FW: S925 Curing Compounds

These changes don't look controversial. Any reason to go to industry review?

Timothy J. Ruelke, P.E.
Director, Office of Materials
Florida Department of Transportation
5007 N.E. 39th Avenue
Gainesville, FL 32609

From: Toole, Deborah
Sent: Monday, January 14, 2013 9:23 AM
To: Ruelke, Timothy J.
Cc: Tillander, Trey; Thomas, Frances; Harper, Clifton (Andy); Haverty, Ray; Smith, Barry
Subject: RE: S925 Curing Compounds

Thanks Tim. I have attached the latest version of Section 925 as well as a redline of the of the affected language. I don't think this needs to go out for Industry and that we can just send it for FHWA approval. What do you think?

.....Debbie ☺

From: Ruelke, Timothy J.



Florida Department of Transportation

RICK SCOTT
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

ANANTH PRASAD, P.E.
SECRETARY

MEMORANDUM

DATE: March 11, 2013
TO: Specification Review Distribution List
FROM: Trey Tillander, State Specifications Engineer
SUBJECT: Proposed Specification: **9250200 Curing Materials for Concrete.**

In accordance with Specification Development Procedures, we are sending you a copy of a proposed specification change.

This change was proposed by Mike Bergin of the State Materials Office to revise the language for current industry practice.

Please share this proposal with others within your responsibility. Review comments are due within four weeks and should be sent to Mail Station 75 or to my attention via e-mail at SP965TT or trey.tillander@dot.state.fl.us. Comments received after **April 8, 2013**, may not be considered. Your input is encouraged.

TT/dt
Attachment

CURING MATERIALS FOR CONCRETE.
(REV 1-14-13)

ARTICLE 925-2 (Page 1007) is deleted and the following substituted:

925-2 Membrane Curing Compound.

925-2.1 General: Membrane curing compound shall conform to requirements of ~~AASHTO M148~~*ASTM C309* (Type 1 for clear compound and Type 2 for white-pigmented compound), and the following additional requirements:

The membrane curing compound shall be of a consistency suitable for spraying at temperatures prevalent at the time of construction operations, and which forms a continuous, uniform film. It shall be free from precipitated matter caused by conditions of storage or temperature. The compound shall be relatively nontoxic. Thorough agitation shall be performed prior to shipment from manufacturer's plant and prior to use at job site.

Curing compound delivered to the job in drums shall be in the manufacturer's original container, labeled with the manufacturer's name, plant location, grade designation of compound, LOT number, and quantity.

Curing compound delivered in bulk shall be supplied from and delivered to storage tanks designed to provide thorough agitation by means of compressed air.

925-2.2 Sampling: Samples shall be obtained as specified in ~~AASHTO M148~~*ASTM C309* with the following exception. Take one sample for each ~~Lot~~, batch, or other unit of production representing each 2,200 gallons or fraction there-of. Filled containers, represented by the samples, shall be sealed and marked by the sampling agency for later identification and correlation. Each sample shall be at least 1 quart. Allow fourteen days for completion of the tests after arrival of the sample in the laboratory.

925-2.3 Storage: Curing compound that has been tested and stored for longer than six months but less than one year shall be retested prior to use. Compound that has been stored longer than one year shall not be incorporated into the work.

SUBARTICLE 925-3.1 (Page 1007) is deleted and the following substituted:

925-3.1 General: Waterproof paper, polyethylene film and white burlap-polyethylene sheet, for curing concrete shall meet the requirements of ~~AASHTO M171~~*ASTM C171*, with the additional requirements for waterproof paper and for polyethylene film as shown below.

Sent: Friday, January 11, 2013 4:36 PM
To: Toole, Deborah
Cc: Tillander, Trey; Thomas, Frances; Harper, Clifton (Andy); Haverty, Ray; Smith, Barry
Subject: RE: S925 Curing Compounds

Mike Bergin at the SMO will sponsor this revision.

Timothy J. Ruelke, P.E.
Director, Office of Materials
Florida Department of Transportation
5007 N.E. 39th Avenue
Gainesville, FL 32609

From: Toole, Deborah
Sent: Wednesday, January 09, 2013 8:24 AM
To: Ruelke, Timothy J.
Cc: Tillander, Trey; Thomas, Frances; Harper, Clifton (Andy); Haverty, Ray; Smith, Barry
Subject: FW: S925 Curing Compounds

Good Morning Tim,

Could SMO sponsor this revision?

Thanks.....Debbie ☺

Deborah Toole
Specifications Development Specialist
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850-414-4114

From: Tillander, Trey
Sent: Tuesday, January 08, 2013 5:47 PM
To: CO-SPECDEV
Subject: FW: S925 Curing Compounds

V. Y. "Trey" Tillander III, P.E.
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From: Smith, Barry
Sent: Tuesday, January 08, 2013 9:42 AM
To: Vinik, Paul; Paredes, Mario; Bergin, Michael

Cc: Tillander, Trey
Subject: S925 Curing Compounds

FYI

You may want to change the reference of AASHTO M148 and AASHTO M171 in section 925. Both appear to have been withdrawn in December of 2005. It was indicated to me that industry is using ASTM C309 and ASTM C171.

Barry E. Smith
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Product Evaluation
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