

ORIGINATION FORM

Date: 3/7/13
Originator: Karen Byram
Contact Information: x 4353

Specification Title: SECTION 413 SEALING CRACKS AND CONCRETE STRUCTURE SURFACES

Specification Section, Article, or Subarticle Number: 413-1 Description

Why does the existing language need to be changed? **The word 'methacrylate' is misspelled**

Summary of the changes: **changed spelling**

Are these changes applicable to all Department jobs? **yes**

If not, what are the restrictions?

Will these changes result in an increase or decrease in project costs? **no**

If yes, what is the estimated change in costs?

With who have you discussed these changes? **N/A**

What other offices will be impacted by these changes? **None**

Are changes needed to the PPM, Design Standards, SDG, CPAM or other manual? **No**

Is a Design Bulletin, Construction Memo, or Estimates Bulletin needed? **No**

Contact the State Specifications Office for assistance in completing this form.

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ANANTH PRASAD, P.E.
SECRETARY

MEMORANDUM

DATE: March 20, 2013

TO: Specification Review Distribution List

FROM: Trey Tillander, State Specifications Engineer

SUBJECT: Proposed Specification: **4130100 Sealing Cracks and Concrete Structure Surfaces.**

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

This change was proposed by Karen Byram of the Product Evaluation Section in the State Specifications and Estimates Office to correct a typographical error and for formatting.

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 18, 2013**, may not be considered. Your input is encouraged.

TT/dt
Attachment

SEALING CRACKS AND CONCRETE STRUCTURE SURFACES.
(REV 3-8-13)

ARTICLE 413-1 (Page 414) is deleted and the following substituted:

413-1 Description.

Seal concrete surfaces and cracks in concrete using materials, surface preparation, and application of penetrant sealers and high molecular weight ~~methacrylate~~*methacrylates* as specified in this Section and in accordance with the manufacturer recommendations. Consult with the FDOT State Materials Office in the event of conflict between the manufacturer's recommendations and this specification. Perform surface preparation and application to all areas as shown in the Plans or as directed by the Engineer.

ARTICLE 413-4 (Page 420) is deleted and the following substituted:

413-4 Method of Measurement.

Prestressed, precast items designated in the Plans to be sealed with penetrant sealer, will not be measured for separate payment. The Contractor shall include the cost of cleaning, sealing, and applying penetrant sealer with the cost of the prestressed, precast items. For cast-in-place surfaces to be sealed with penetrant sealer, the quantities to be paid for will be (1) the volume, in gallons, of penetrant sealer as determined by use of the field measured area satisfactorily sealed divided by the approved application rate based on field trials, and (2) the area, in square feet, of cleaning and sealing concrete surfaces as determined by field measurement, completed and accepted.

Quantities of high molecular weight methacrylate to be paid will be based on the volume in gallons of monomer resin material (not including the promoter and initiator) actually used to seal the cracked surfaces at the approved application rate, and the dimensions of the treated areas in square feet.

The area of application will be computed based on the ~~Plan~~*plan* dimensions of concrete surface sealed with methacrylate. For localized application, the Engineer will determine the method of measurement that most accurately reflects the area of application in square feet.