

9320103 Nonmetallic Accessory Materials for Concrete Pavement and Concrete Structures.  
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

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Dan L. Hurtado, P.E  
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Comment: (6-21-10) **932-1.5.1 Preformed Elastomeric Compression Seals:** - First sentence, the “Compression” is misspelled “Compresion.”

Response: Spelling has been corrected.

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Mayur Patel  
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Comments: (7-5-10) The word “intended” in the paragraph 932-1.4.1 allows for confusion in the selection of material for use. The paragraph can be re-written as below: 932-1.4.1 General: Pre-cured silicone sealants are **used** for sealing vertical joints on concrete surfaces. Type V1 sealant is **used** for contraction joints or joints with movements less than 1/4 inch. Type V2 sealant is **used** for expansion joints not exceeding 200% of the nominal joint opening. Type V2 sealant may be substituted for Type V1 sealant. The joint sealant must be listed on the Department’s Qualified Products List (QPL).

Or 932-1.4.1 General: Pre-cured silicone sealants are **used** for sealing vertical joints on concrete surfaces. Type V1 sealant **shall be used** for contraction joints or joints with movements less than 1/4 inch. Type V2 sealant **shall be used** for expansion joints not exceeding 200% of the nominal joint opening. Type V2 sealant may be substituted for Type V1 sealant. The joint sealant must be listed on the Department’s Qualified Products List (QPL).

Response:

The specification should not be exclusive for which joints get this treatment, the designer needs to show this in the Contract Plans. That is why we used the term “intended” to give the designer some flexibility for other applications (all of which cannot be indentified in the specification).No change made.

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Comments: (7-2-10)

Response: “IR scan” in 932-1.4.3 should be changed to “Infrared Absorption scan”.

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Powell, Jr., Rudy  
414-4280

Comments: (7-2-10) The requirement to submit a colored sample on each project is to ensure that the color supplied is compatible with the surrounding joint. Since this is a silicone based product it does not hold paint or Class 5 very well, especially under significant expansion. Therefore when the finish coating cracks we want the underlying color to be as close as possible to the surface color coating. These products come in a variety of standard colors, but it is very expensive to have a custom color produced for every project, so the intent was to have a sample submitted for evaluation of the colored sample for comparative review by the Engineer, not a material testing review.

Response: Paul J. Steinman, P.E. State Construction Engineer

I have read the attached and I am in agreement that we should eliminate the following sentence:  
*The Contractor must submit one 6 inch long sample to the Engineer for approval, prior to installation, for each different colored surface to be sealed on the project.*

It is my recommendation that we keep the direction to the contractor that states:

*932-1.4.2 Physical Requirements: Sealant material shall be a nominal 1/16 inch thick, available in standard widths from 1 inch to 6 inches, colored to match the finish surface coating of the concrete, and meet the following minimum testing requirements:*

If the contractor does not match the color in the field, this gives the CEI the authority to have them replace the sealant.