
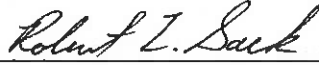


To: <b>SUPERSEDED BY</b> <u>EB 06-057</u> <b>EFFECTIVE 5/3/07</b>		New York State Department of Transportation <b>ENGINEERING          INSTRUCTION</b>	<b>EI</b> <b>03-016</b>
Title: <b>Material Specification for Silicone Joint Sealants 705-05</b>			
Distribution: <input checked="" type="checkbox"/> Manufacturers (18) <input type="checkbox"/> Surveyors (33) <input checked="" type="checkbox"/> Main Office (30) <input checked="" type="checkbox"/> Consultants (34) <input checked="" type="checkbox"/> Local Govt. (31) <input checked="" type="checkbox"/> Contractors (39) <input checked="" type="checkbox"/> Regions/Agencies (32) <input type="checkbox"/> _____ ( )	Approved:  R. L. Sack, Deputy Chief Engineer Technical Services Division <div style="text-align: right;"> <u>16 MAY 03</u>          Date       </div>		

**ADMINISTRATIVE INFORMATION:**

- **Effective Date:** This Engineering Instruction (EI) is effective with projects submitted for the letting of January 15, 2004.
- **Superseded Issuances:** None
- **Disposition of Issued Materials:** The specification will reside in Section 700 of the Standard Specifications when an addendum or a new book is issued.

**PURPOSE:** The purpose of this EI is to transmit a new materials Standard Specification for Silicone Joint Sealants for Pavements (705-05).

**TECHNICAL INFORMATION:**

- Designers and contractors shall continue to use silicone joint seal according to *SECTION 502 - PORTLAND CEMENT CONCRETE PAVEMENT* of the *NYS DOT STANDARD SPECIFICATIONS dated January 2, 2002.*

**IMPLEMENTATION:**

- The attached shelf notes will be inserted into all contract proposals by Main Office DQAB beginning with contracts submitted for the letting of January 15, 2004.

**TRANSMITTED MATERIALS:**

- Shelf note for 502-2 MATERIALS AND EQUIPMENT.
- Shelf note for 705-05 SILICONE JOINT SEALANTS FOR PAVEMENTS.

**REFERENCES:**

1. *Annual Book of ASTM Standards - Volumes 04.03, 04.07 and 09.01.*

**CONTACT:** Direct questions regarding this EI to the General Engineering Section of the Materials Bureau at (518) 457-4285.

**SECTION 502 – PORTLAND CEMENT CONCRETE PAVEMENT**

Make the following changes to Volume 1 of 3 of the Standard Specifications of January 2, 2002, Section 502-2 MATERIALS AND EQUIPMENT

**Page 5-18**

Line 26, *add* the following:       “Silicone Sealants       705-05”

Line 40, *delete* the following:   “Silicone Sealants   Approved List”

## SECTION 705 – JOINT MATERIALS

Make the following changes to Volume 3 of 3 of the Standard Specifications of January 2, 2002:

Page 7-46

Line 20, *delete* "705-04 AND 705-05 (VACANT)" and *replace* it with the following:

### 705-04 (VACANT)

### 705-05 SILICONE JOINT SEALANTS FOR PAVEMENTS

**SCOPE.** This specification covers the material requirements for silicone joint sealants for pavements.

**GENERAL.** Use equipment meeting §502-2.04 J, Joint Sealing (Silicone). Install the sealant in accordance with the manufacturer's written instructions.

**MATERIAL REQUIREMENTS.** Silicone Joint Sealant shall conform to the following requirements:

Property	Test Method	Specification ASTM D 5893
Tack-Free Time, min.	ASTM C 679	5 hrs. ± 10 min.
Accelerated Weathering	ASTM C 793	Satisfactory
Flow	ASTM C 639	No Flow
Modulus of Elongation	ASTM D 412	600% (Minimum)
Bond, Non-Immersed	ASTM D 5329	Satisfactory

**BASIS OF ACCEPTANCE.** Acceptance of this material will be based on the manufacturer's name appearing on the Approved List for Joint Materials, Pavement for Silicone Joint Sealants (705-05).