

August 6, 2002

420-02-21

Provisional Special Provisions  
Protective Coatings for Cement Concrete Pavements and Reinforced Concrete Surfaces

**DISTRICT ENGINEERS/ADMINISTRATOR**

Gary L. Hoffman, P.E., Chief Engineer /s/  
Highway Administration

Attached are two provisional special provisions and use guidelines that expand the use of Penetrating Sealers in Pub. 408, Sections 503 and 1019. They permit all approved penetrating sealers to be used as an alternate to boiled linseed oil on reinforced concrete surfaces not exposed to vehicular traffic, such as bridge superstructure elements (curbs, sidewalks, divisors, concrete median barriers, and inside and top surfaces of parapets). They also permit the use of penetrating sealers, classified as silicates in water, to be used as an alternate to boiled linseed oil on reinforced concrete surfaces exposed to vehicular traffic, and on cement concrete pavements.

Approval for use is based upon vendor test data, testing performed at the Materials Testing Division, observations of field applications in Districts 1-2, and 12-2, and the Pennsylvania Turnpike.

The Provisional Special Provisions for these Penetrating Sealers have been issued as follows:

Specification Version	Special Provision Number	ITEM NUMBERS
METRIC	S00(PD05031A)	9503-2152
ENGLISH	S00(PD05031A)	9503-0152
METRIC	S00(PD10191A)	9019-2152
ENGLISH	S00(PD10191A)	9019-0152

The provisional status of these special provisions will allow the use of penetrating sealers on projects in accordance with the attached guidelines. In the use of any provisional special provision, the District is required to monitor performance and report any problems with the special provision to the Engineering Technology and Information Division, Bureau of Construction and Materials at 717-787-3137.

Products that have been verified to meet the requirements of these provisional special provisions will be listed in Publication 35, Bulletin 15, "Approved Construction Materials" and will be issued with the next scheduled change to the Bulletin.

FHWA approval has been secured for these Provisional Special Provisions. If you have any questions, please call Gerald J. Malasheskie, P.E. at 717-787-4720.

Attachment:

423/PENETRATING SEALERS, SILICATES IN WATER

cc: M. M. Ryan, P.E.  
G. L. Hoffman, P.E.  
J. A. Cheatham, P.E. FHWA  
Danielle Spila  
Highway Administration Bureau Directors  
ADE Construction, District \_\_\_\_\_  
ADE Maintenance, District \_\_\_\_\_  
Materials Engineers, District \_\_\_\_\_  
Municipal Services Supervisor, District \_\_\_\_\_  
Sherri Zimmerman, 8<sup>th</sup> Flr., Keystone  
Ann Smith, BOS  
BOCM Division Chiefs  
Nikki Krise, BOD  
Robin Sukley, P.E.  
David Kuniega  
Winson King