

**CALIFORNIA DEPARTMENT OF TRANSPORTATION
SILANE REACTIVE PENETRATING SEALERS
AUTHORIZED MATERIAL LIST**

Refer to Section 54-7 of the 2015 Standard Specifications. The following products have been tested by the Transportation Laboratory and determined to comply with requirements for the category of “Reactive Penetrating Sealers” within the South Coast Air Quality Management District (SCAQMD) Rule 1113 for Architectural Coatings (Amended February 5, 2016), and the California Air Resources Board 2007 Suggested Control Measures for Architectural Coatings (SCM). These products have also been found not to exceed the maximum volatile organic content (VOC) limit of 350g/L. Reactive penetrating sealers must penetrate into concrete and masonry substrates and chemically react to form covalent bonds with naturally occurring minerals in the substrate. Reactive Penetrating Sealers line the pores of concrete and masonry substrates with a hydrophobic coating, but do not form a surface film.

For Caltrans projects in the SCAQMD, reactive penetrating sealers can only be used for reinforced concrete bridge structures within 5 miles of the ocean or above 4000 ft. in elevation.

Manufacturer	Product name
Prosoco, Inc	SL 100 Water Repellent*
Sherwin Williams	Loxon 40% Silane Low VOC Water Repellent, A31T00840
Evonik Industries	Protectosil Chem-Trete BSM 400-BA
Dow Corning	Xiameter OFS 6341*
Advanced Chemical Technologies, Inc.	ATS 100-LV
Sika Corporation	Sikagard – 705L
Sika Corporation	Sikagard – 740W
Euclid Chemical	Barcade Silane 100 C

* Authorized for contractor use only

The Department may inspect, sample, and test materials for compliance with the Contract at any time. Other products will be considered for inclusion on this list subject to evaluation and authorization by the Department.

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