

Standard Guidelines for Product Review

Concrete Surface Retarder

Section 00540.10

December 6, 2007

00540.10 – Concrete Surface Retarder

General – ODOT maintains a list of products to put on vertical or horizontal surfaces of formwork to prevent the surface of the plastic concrete from curing. We are looking for products that provide a depth of etch equal to about ¼". The surface would, after form removal, be washed with a pressure hose to expose the aggregate and provide a "key" for subsequent pours without the need for bush hammering or other surface preparation.

Requirements

- The product shall not completely kill hydration but only retard it.
- The product shall be designed for "Fresh" concrete surfaces (FCS) or "Form" surfaces (FS).
- The product shall not leave a film or residue that would act as a bond breaker to an application of new concrete.
- The product shall be VOC compliant.

To Apply for inclusion on the QPL, submit the following:

- [Preliminary Information for Product Evaluation Form](#).
- Documentation showing VOC compliance.
- Spec Data Sheet showing compliance with the above requirements.
- List of limitations and precautions (if any).
- Detailed Installation Instructions.
- Specify "Fresh" Concrete Surfaces or "Form" Surfaces.
- MSDS

Other documents you may find useful are:

- ODOT Standard Specifications for Highway Construction:
<http://www.oregon.gov/ODOT/HWY/SPECS/>
- ODOT Standard Drawings: <http://www.oregon.gov/ODOT/HWY/TRAFFIC-ROADWAY/>

Please forward your information and/or questions to:

OREGON DEPARTMENT OF TRANSPORTATION
PRODUCT EVALUATION COORDINATOR
800 AIRPORT RD SE
SALEM OR 97301-4798

<HTTP://WWW.OREGON.GOV/ODOT/HWY/CONSTRUCTION/QPL/QPINDEX.SHTML>