

[NOTE FOR THE DESIGNER:

Revisions pertaining to application rate should be used for all projects. For both new and rehabilitation projects, the designer must investigate the curing compound.

(A) GENERAL.

At the end of the third paragraph add the following:

Sandblasting will be required to remove acrylic based curing compounds (non-dissipative types).

Delete the seventh paragraph and replace it with the following:

Latex Modified Concrete and High Performance Concrete (HPC) surfaces shall not be sealed.

(B) SEALER APPLICATION.

Delete the first and second paragraphs and replace them with the following:

Application of the penetrating sealer materials shall be made by the methods and at the rate of coverage as recommended by the manufacturer and not exceeding 225 sq. ft./gal.

Prior to sealer application, the Contractor shall submit product application specifications for approval by the Engineer.

In the fourth paragraph, delete the first sentence and replace it with the following:

The concrete surfaces shall be cleaned of dirt, oil, grease, laitance, curing compound or curing compound residue, form release agents and other contaminants which may retard or prevent penetration of the surface treatment material into concrete.

At the end of the fourth paragraph add the following:

Surfaces which have been cured using an acrylic based, non-dissipative type curing compound shall first be cleaned by sandblasting.

In the fifth paragraph, delete the first sentence and replace it with the following:

The concrete penetrating sealer shall be applied with low pressure (15 psi) airless spray equipment at a rate not exceeding 225 sq. ft./gal. and shall be applied under the supervision of the manufacturer or by their designated applicator.

(C) ACCEPTANCE.

In the fourth paragraph, delete the first sentence and replace it with the following:

The treated concrete cores will be tested for water absorption in accordance with Subsection 923.06 paragraph (F) or (G) as appropriate and as specified below.

Delete the fifth, sixth and seventh paragraphs, and replace them with the following:

When the minimum requirements for water absorption are not met, the lot shall be retreated at no cost to the Authority, or the lot may be accepted on written request provided that payment for the lot is reduced in accordance with the treatment payment schedule.

Delete the “Concrete Penetrating Sealer Treatment Payment Schedule Treatment Characteristics” Table and replace it with the following:

Concrete Penetrating Sealer Treatment Payment Schedule Treatment Characteristics	
Lot Acceptance Water Absorption Percent	Pay Factor
1.00 or Less (Minimum requirement)	1.00
1.01 to 1.05	0.95
1.06 to 1.10	0.90
1.11 to 1.15	0.85
1.16 to 1.20	0.80
1.21 to 1.25	0.75
1.26 to 1.30	0.60
1.31 to 1.35	0.55
1.36 to 1.40	0.50
1.41 to 1.45	0.45
1.45 to 1.50	0.30
Over 1.50	0.00

In the eleventh paragraph, delete the second sentence and replace it with the following:

When the minimum requirements for water absorption are not met after said retreatment, the payment for the lot will be determined by the penetrating concrete sealer treatment payment schedule.

~~If the condition of the existing steelwork does not permit bolting of the catch system, add the following:~~

417.04 CONCRETE DECK REHABILITATION

~~The second paragraph is changed to:~~

~~Bolted connections between the temporary catch system and webs of stringers are not permitted.~~

SECTION 923 – MISCELLANEOUS

923.06 DAMPPROOFING AND WATERPROOFING.

(G) CONCRETE PENETRATING SEALER.

Delete the first paragraph and replace it with the following:

Penetrating Sealer shall be a VOC compliant silane based concrete penetrating sealer containing a minimum 100 percent active ingredients such as "SL100 Water Repellant" as manufactured by ProSoCo., Inc., Kansas City, KS, and "Hydrozo 100" or "Hydrozo 100 Plus" as manufactured by BASF Construction Chemicals, LLC, Shakopee, MN (800) 433-9517 or an approved equal.

Delete Subparagraph (1) and replace it with the following:

- (1) Water absorption values for treated concrete surfaces shall not exceed 1 percent moisture after 48-hour immersion in water and 2 percent after 50 days immersion in water in accordance with ASTM C642 testing modified as follows:*

Delete the first paragraph in Part (a), and replace it with the following:

- (a) The untreated surfaces of the oven-dried sample shall be coated with a waterproof substance (i.e. epoxy) prior to determining the oven-dried weight.*