SUDAS Revision Submittal Form

Status Date:	As of 10/23/2026	**Topic:**	Surface curing
Manual:	Specifications	**Manual Location:**	Section 7010, 3.02, J

Requested Revision:

3.02 PAVEMENT CONSTRUCTION

J. Surface Curing:

1. Apply liquid curing compound in a fine spray to form a continuous, uniform film on the horizontal surface and vertical edges of pavement, curbs, and back of curbs immediately after surface moisture has disappeared, but no later than 30 minutes after finishing. With approval of the Engineer, the timing of cure application may be adjusted due to varying weather conditions and concrete mix properties to ensure acceptable macrotexture is achieved.
   a. Use a white pigment liquid curing compound for concrete not receiving an asphalt overlay. When specified in the contract documents, use a linseed oil solution.
   b. Use a dark-colored curing compound for concrete receiving an asphalt overlay.

2. Apply compound with power sprayer; ~~rate of application not less than 15 square yards per gallon (0.067 gallon per square yard)~~ use an application rate of no less than 0.067 gallon per square yard covering a maximum of 15 square yards per gallon; do not dilute compound. For concrete receiving an asphalt overlay, use an ~~minimum~~ application rate of no less than 0.08 gallon per square covering a maximum of 12.5 square yards per gallon for dark-colored cure ~~of 12.5 square yards per gallon (0.08 gallon per square yards)~~.

3. Ensure liquid curing materials are well agitated in the supply drum or tank immediately before transfer to the sprayer. Keep curing materials well agitated during application.

4. Hand operated sprayers may be used for small and irregular areas.

5. If forms are used, apply to pavement edges and back of curbs within 30 minutes after forms are removed.

6. If, due to other operations, the coating is damaged within 72 hours after being applied, immediately re-coat the affected areas. Coating of the sawed surface with curing compound will not be allowed on joints that are to be filled. When pavement is opened to traffic prior to 72 hours after application of the curing coating, a re-coating will not be required.

Reason for Revision: Revised wording to eliminate confusion.

Comments: Revisions match Iowa DOT.

Region:	☒ Central	☒ East	☒ West
Comments:	None.		
Action:	☐ Deferred	☐ Not Approved	☒ Approved

Final Regional Action Summary: All 3 regions approved.

Board of Directors Action: