

## ORINATION FORM

**THE INFORMATION BELOW IS TO BE PROVIDED BY THE ORIGINATOR**

(The person who receives or originates the issue and needs to forward the issue for action.)

Modify Specification       D3000000      .  
Section/File number

New Section \_\_\_\_\_.  
Section number

**Subject:** Application of Tack Coat – Rate of Application

**Origination date:** September 25, 2002

**Originator:** Gale C. Page

**Office/Phone:** State Materials Office/352-337-3208

**Email address/** gale.page@dot.state.fl.us

**Userid:**

**Problem statement:** The process of documentation to pay for tack as a separate pay item does not appear to be cost effective.

**Information source:** State Flexible Pavement Committee recommendation. Industry: Jim Warren ACAF, FDOT Construction: Anath Prasad, FDOT Materials Gale Page.

**Background data:** State Flexible Pavement Committee discussed the issue and agreed that the spec change be developed to reduce costs.

**Desired implementation**

**date:** Beginning with the July 2003 lettings.



# Florida Department of Transportation

JEB BUSH  
GOVERNOR

605 Suwannee Street  
Tallahassee, FL 32399-0450

THOMAS F. BARRY, JR.  
SECRETARY

## MEMORANDUM

**DATE:** November 1, 2002

**TO:** Specification Review Distribution List

**FROM:** Duane F. Brautigam, P.E., State Specifications Engineer

**COPY:** Gale Page, State Materials Office

**SUBJECT:** **Proposed Specifications Change – D3000084 – Application of Tack Coat – Rate of Application.**

In accordance with Specification Development Procedures, we are sending you a copy of a proposed specification change to Application of Tack Coat – Rate of Application.

This change was proposed by Gale Page to reduce costs.

Please share this proposal with others within your responsibility. Review comments are due within four weeks and should be sent to Mail Station 75 or to my attention via e-mail at SP965DB or duane.brautigam@dot.state.fl.us. Comments received after November 29, 2002 may not be considered. Your input is encouraged.

DFB/sh

Attachment

COMMENTS:

---



---



---



---



---



---

Submitted by:

Phone #:

---

**APPLICATION OF TACK COAT – RATE OF APPLICATION.  
(REV 10-14-02)**

SUBARTICLE 300-8.4 (of the Supplemental Specifications) is deleted and the following substituted:

**300-8.4 Rate of Application:** Use a rate of application between 0.02 and 0.08 gal/yd<sup>2</sup> [0.09 and 0.36 L/m<sup>2</sup>]. For tack coat applied on concrete pavement which is to be surfaced, use a rate of application that exceeds the upper limit when directed by the Engineer. For open graded friction course, set the target rate of application at 0.045 gal/yd<sup>2</sup> [0.20 L/m<sup>2</sup>]. Determine the application rate at the beginning of each day's production, and as needed to control the operation, a minimum of twice per day. Reduce the rate of application by one-half when using RA-500. The rate of application will be approved by the Engineer and may be varied or adjusted by the Engineer to meet specific field conditions. For mix placed directly on concrete pavement, set the target rate of application at 0.08 gal/yd<sup>2</sup> [0.36 L/m<sup>2</sup>]; this target rate may be set higher when directed by the Engineer. For mix placed on a milled surface or where the existing surface is oxidized and cracked, set the target rate of application rate at 0.06 gal/yd<sup>2</sup> [0.27 L/m<sup>2</sup>]. For Open-graded Friction Course, set the target rate of application at 0.045 gal/yd<sup>2</sup> [0.20 L/m<sup>2</sup>]. For mix placed on newly constructed asphalt layers, set the rate of application at 0.02 gal/ yd<sup>2</sup> [0.09 L/m<sup>2</sup>]. Determine the rate of application at the beginning of each day's production, and as needed to control the operation, a minimum of twice per day. Control the rate of application to be within 10% of that approved by the Engineer.