

Surtreat TPS-II Application
Topsham-Brunswick Bypass, Ramp "C"
June 20, 2011

On June 20, 2011 Newman Concrete Services of Richmond, Maine applied Surtreat's TPS II to the newly re-constructed concrete wearing surface on the Topsham-Brunswick Bypass, Ramp "C".

These ramps are associated with US Route One.

Robert Brownell representing Surtreat was present providing oversight.

The product was applied with a floor conditioning machine which worked quite well with its rotary brushes. Some hand work was required to work the material into the corners of the grooves as the machine had some issues with a malfunctioning rotary brush.

The target rate of application was 100 square feet per gallon.

Once the material was applied, water was sprayed onto the surface to aid penetration of the material into the concrete as it was a fairly warm day and quite breezy on the deck.

Ramp "B" which was also recently completed will have an application of traditional anti-spall compound (boiled linseed oil & mineral spirits) for a comparison with Surtreat.

The hope is that the Surtreat product will provide a superior chloride barrier to the anti-spall compound, as claimed by the manufacturer, thus inhibiting corrosion of the reinforcing steel.

Surtreat claims no VOCs and apparently poses little risk to workers or the environment.

Traffic can be returned to bridge surface in about a half an hour after application.



Applying Surtreat with floor conditioning machine.



Working Surtreat into grooves with brush.

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Surtreat after application with applied water.



Robert Brownell applying water to aid penetration.



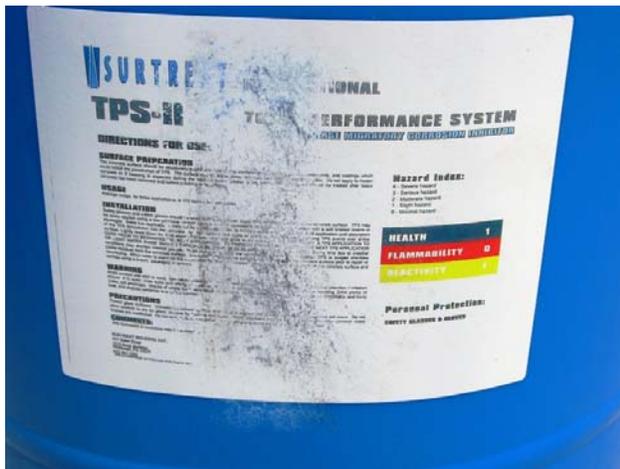
Surtreat after application with applied water.



Surtreat after application.



Filling applicator from drums in truck bed.



Surtreat TPS-II label

Doug Gayne, MaineDOT Transportation Research Division, January 31, 2012