

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
SUPPLEMENTAL SPECIFICATION 953
LATEX FOR CONCRETE MODIFICATION
APRIL 15, 2005

Latex emulsions for use with SS 847 and SS 848 Latex-Modified Concrete shall be materials which have been tested and prequalified by the Turner-Fairbank Highway Research Center (TFHRC), Office of Research and Development, Federal Highway Administration, or emulsions which have been tested in accordance with and meet the requirements of FHWA Report RD-78-35, "Styrene-Butadiene Latex Modifiers for Bridge Deck Overlay Concrete."

The Contractor shall furnish a certification showing the actual results obtained for the various tests.

Field samples, when tested by the methods described in FHWA Report RD-78-35, shall have the following properties:

Solids, percent by weight, minimum.....	46
Polymer particle size	1400-2500 Angstroms (140-259 nm)
pH.....	8.5-12
Color.....	White
Unit Weight @ 77 °F (25 °C), minimum.....	8.4 lbs. per gal. (1 kg/L)