NATIONWIDE PROTECTIVE COATING MFRS., INC.

PROJECT REPORT
Bleed Through Testing

Report #: 1030BTT, October, 2006

1.0 SCOPE

This test method employs a color meter and a standardized color index to determine the effectiveness of various stain blocking compounds.

2.0 SIGNIFICANCE and USE

A phenomenon peculiar to painted surfaces is the discoloration of the coating caused by various substances leaching through the coating from the substrate. This test provides a means of comparing the effectiveness of primers / sealer in sealing the substrate and preventing bleed through.

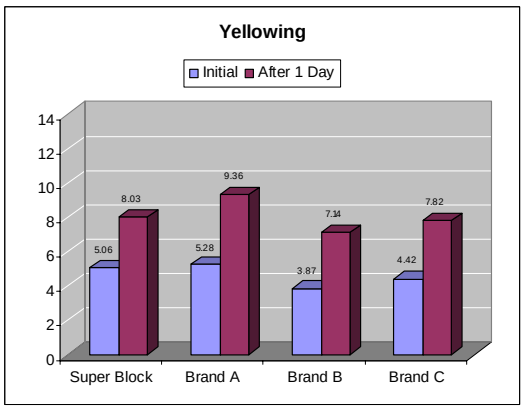
3.0 REFERENCE STANDARDS

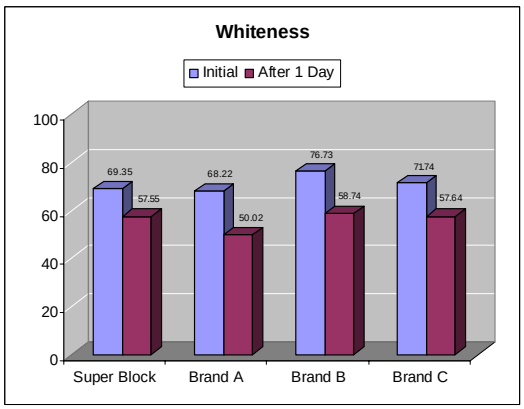
This test is made using a color meter calibrated to a standard color index to measure the density of a given color in the samples being tested.

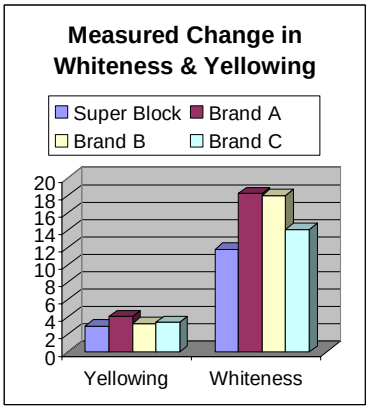
4.0 TESTING PROCEDURE

The primer / sealers being tested were applied to a board that exhibited resin staining. Then a commonly available white latex coating was applied over the primer / sealers. After being allowed to dry and cure, measurements were made with the color meter. Measurements were recorded for the amount of white and the amount of yellow present in the samples. The sample board was then placed in a misting room, subjecting it to high levels of water exposure, for 24 hours. After the exposure period, the sample board was dried and whiteness and yellowness measurements were taken again to provide a comparison.

5.0 RESULTS







6.0 INTERPRETING THE RESULTS

Since the purpose of a stain blocking coating is to prevent discoloration of the top coat by leaching of discoloring agents in the substrate, the effectiveness of the stain blocker is represented by the least change in the beginning and final color measurements.