

GARCO

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Asphalt Systems
P.O. Box 25511
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Subject: **WEATHEROMETER TESTING ON ASPHALT SEALER**

Gentlemen:

At your request, we have observed the application of emulsion asphalt sealer onto asphaltic concrete panels followed by weatherometer testing.

For the purpose of sealer application, 4 rectangular asphaltic concrete panels (4" x 8" x 1/2") were cut from a slab. Three of the panels were then treated with 3 different sealers, and one was left untreated to act as the control panel. All 4 test panels were then inserted into the weatherometer chamber and were subjected to intense accelerated weathering. Panels were removed periodically during the testing and were examined visually for signs of deterioration. The following table represents the results of our observations.

ASPHALT DURABILITY

	254 HOURS	1219 HOURS	7996 HOURS
CONTROL NON-TREATED ASPHALT	5 - 10%	20 - 25%	70 - 80%
TREATED ASPHALT	0	0	0

COATING DURABILITY - (RELATIVE CONDITION OF COATING)

CSS 1H	15 - 25% Failure	40 - 50% Failure	80 - 90% Failure
GSB-78	No Visible Failure	No Visible Failure	No Visible Failure
GSB-88	Minor Blistering	10 - 15% Failure	10 - 15% Failure

Percent losses are relative to surface area.

Failure associated with the control panel represent becoming porous. Failure associated with the remaining test panels represent blistering and oxidation of the coating material. It should be mentioned that the above reported percentages are approximate and are based on the observers opinion. No warranty is either expressed or implied.

Sincerely,


Susan Arnold
Testing Services Manager