BEE Laboratory

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APPLICATION REPORT File #50609

To: Vexcon Chemical
7240 State Rd
Philadelphia, PA 19135

PURPOSE: To verify the advertised performance of Certi-Shine Concrete Stain I have applied samples of the system to a number of different concrete test blocks, according to the directions in your DIAMOND POLISH INSTRUCTIONS product literature. In every case the stain was strongly absorbed. No color could be removed by either wet or dry scrubbing.

Materials:

The following products were provided by VEXCON:

CERTI-VEX Concrete Stripper	CERTISHINE Terracotta Red Stain, Lot 113C18
CERTI-VEX Etch & Efflorescence Remover	CERTISHINE Clear, Lot 2D19
CERTISHINE Light Amber Stain, Lot 21342	CERTISHINE Fixative, Lot 3B19
CERTISHINE Old Amber Stain, Lot 22112	CERTISHINE Finish Coat, Lot 84D19

Blocks:

Six mortar blocks (7" x 10" x 1.5") used for previous testing of coatings were stripped, scrubbed with TSP and water, lightly ground with a diamond discs to 120 grit, rinsed with water, etched, rinsed and neutralized. All surfaces readily absorbed water when dry.

Application:

Each block was divided into two ~5" x 7" fields with a strip of masking tape to make twelve testing areas. One, two, or three coats of each of the three stains was applied with a foam brush, allowing 1 hour drying time between coats. The stained surfaces were sealed with two coats of Clear and one coat of fixative, rinsed, and burnished with a black polishing pad. Finally, two of the blocks were sealed with two coats of CERTISHINE Finish Coat and again burnished with a black polishing pad.

Examination:

The colors are somewhat transparent, as expected of a stain. The intensity of the color is dependent on the number of coats applied. The finished surfaces were wet and wiped with a wet white filter paper. No trace of color was detected on the filter paper. Neither long term soaking under a filter paper, or brisk brushing with a fiber brush indicated any removal or extraction of the coloring material. Scratching with the edge of a scalpel blade made no impression on the surface. Only digging with the point of the scalpel broke through the surface coating. Water beaded on the surface of the Finish Coat treated blocks. Drops of vinegar remained on the surface of the coated blocks and after 24 hours the residue was easily wiped off with a damp cloth. On the uncoated blocks the vinegar was absorbed, leaving a dark ring in the stain.

Respectfully submitted,

Ben E. Edwards, Ph.D.
May 27, 2005