H. C. NUTTING

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September 22, 2008

N1081265 mdw

Mr. James W. Sist
Chemtec International, Inc.
7771 Woodstone Drive, Suite 100
Cincinnati, Ohio 45244

RE: Polished Concrete Slip Testing
Treated with Chemtec One
Polished to 800 Grit Finish

Dear Mr. Sist:

Submitted herewith are the results of the slip resistance testing performed on September 19, 2008, on the sample of polished concrete delivered to the HCN laboratory. The testing was performed utilizing the English XL Variable Incidence Tribometer (VIT), and was conducted in accordance with ASTM F 1679-04, "Standard Test Method for Using a Variable Incidence Tribometer (VIT)". The polished concrete sample was initially polished with a 200 grit finish, treated with Chemtec One, and then finally polished to an 800 grit finish.

Upon your request testing was performed on the polished concrete sample measuring 12" x 12" x 3", under both 'dry and cleaned' floor surface conditions. The test foot surface utilized was fitted with a standard Neolite test liner/pad. Results are presented in the accompanying table below.

SLIP RESISTANCE INDEX VALUES ON 'DRY' SURFACE

Test No.	Location	North	East	South	West	
		Dry				Average
1	Polished Concrete Sample	0.63	0.68	0.67	0.70	0.67

Individual slip resistance index, or coefficient of friction values, ranged from 0.63 to 0.70 on the dry floor surface. The average slip index on the dry, polished concrete surface was 0.67.

Although OSHA does not have any standards that currently mandate a particular coefficient of friction for a walking or working surface, the agency does indicate that a reasonable value of slip resistance is 0.5. This value, stated in an OSHA nonmandatory appendix, applies to a wet or dry surface. The Americans with Disabilities Act Accessibility Guidelines (ADAAG) interprets OSHA's nonmandatory appendix citing 0.5 static coefficient of friction as a recommendation on behalf of that agency. The polished concrete treated with Chemtec One tested with a dry slip coefficient of 0.67, which exceeds this referenced value.

We appreciate this opportunity to be of service to you and look forward to continuing to work with you on this project. If you have any questions please give us a call at your earliest convenience.

Sincerely,
H. C. NUTTING COMPANY

Mark Westermann
Staff Materials Engineer

Jason A. Sander, P.E.
Principal – CMET Manager