

Test Results

Slip-Resistance

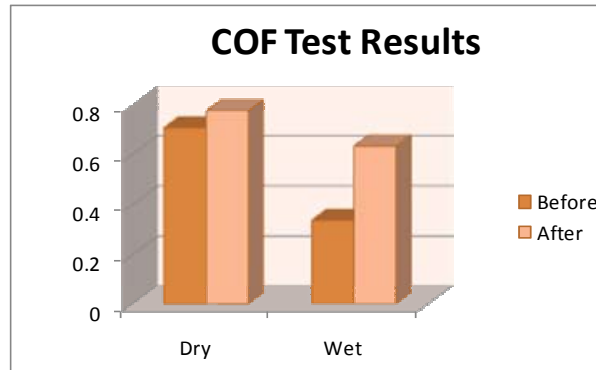
Increases in slip-resistance will vary dependent upon tile and environment. The following test results are from a recent pool deck project where textured porcelain had been installed. Tests were performed using an ASM 726 portable static coefficient of friction tester as manufactured by American Slip Meter Company.

Before Force4 Application

- 1.) Tile wiped clean prior to Force4
Application: .705 (Dry)
- 2.) Same tile with pool water splashed onto it:
.338 (Wet) (**Considered Dangerous**)

After Force4 Application

- 1.) Same tile wiped clean and dry after Force4
Application: .775 (Dry)
- 2.) Same tile with pool water splashed onto it:
.633 (Wet) (**Complies with ADA Standard of .6**)



Water Absorption

Dikes were formed to build a square in which water could be held on top of surface for the untreated (*Control*) and treated (*Force4*) tile. Water was on the surface for approximately 7 days to allow enough of a weight change measure. Presented are results of tests in the following table. Measurement in grams:

Specimen ID	Dry Mass of Tile - Grams	Mass of Tile w/ Dike	Mass of Tile w/ Dike After 7 Days	Amount of Water Absorbed	Percentage Absorbed
Control	1612.2	2059.69	2060.73	1.04	0.0006
Force4	1582.73	1971.22	1971.33	0.11	0.00006

(Independent Lab Results TEC Service – Testing, Engineering, & Consulting)

Abrasion Resistance

Qty. three (3) 2" x 2" x 1/4" pieces were cut from a specimen that was not treated and one that was treated with Force4. Presented are results of tests in the following table. Measurement in grams:

Specimen ID	Initial mass	Mass After Abrasion	Saturated Mass	Saturated Suspended Mass	Bulk Specific gravity	Abrasion Resistance
Control 1	40.40	40.12	41.68	23.85	2.25	81.98
Control 2	39.89	39.52	41.37	23.62	2.23	61.37
Control 3	40.19	39.88	41.55	23.90	2.26	74.35
Average					2.24	72.57
Force4 1	39.09	38.83	40.47	23.14	2.24	87.86
Force4 2	39.87	39.57	41.22	23.57	2.24	76.22
Force4 3	40.25	39.97	41.67	23.62	2.21	80.67
Average					2.23	81.58

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