



CONCRETE ABRASION RESISTANCE INCREASE WITH CHEMTEC

Enclosed please find the preliminary lab test for hardness increase on my CHEMTEC product. The test is ASTM C-779. It is a rotation abrasion disk constantly running across the surface of an untreated and a treated specimen.

As you can see the results were that the treated specimen showed an increase resistance of 45% after 30 minutes as compared to the untreated specimen and an increase of 13% after 60 minutes of constant abrasive grinding as compared to the untreated specimen. This test was performed by Construction Technology Labs in Chicago IL on 10-24-97. This type of abrasion resistance will make concrete more durable, increase the useful life and eliminate dusting problems.

The surface abrasion resistance in actual use on concrete floors will relate to the 45% increase.

	Treated Specimen	Non-Treated Specimen
Test Results: WEAR - Inches @ 30 minutes	0.044	0.080
@ 60 minutes	0.097	0.111

Sincerely,
James W. Sist, CSI

ROTATING DISK ABRASION TEST-ASTM C779

PROJECT NO 051102

METHOD A

DATE 10/24/97

SPECIMEN CHEMTEC

TESTED BY BRUCE

AGE 28 DAYS

Reading Location	MINUTES OF WEAR						
	0	2	15	30	45	60	120
A1	169			242		272	
A2	166			240		271	
A3	169			246		271	
A4	165			237		257	
A5	163			238		257	
A6	162			234		252	
A7	157			233		253	
A8	154			228		255	
	***	***	***	***	***	***	***
B1	134			195		228	
B2	137			195		227	
B3	138			200		231	
B4	135			197		225	
B5	138			200		233	
B6	134			198		225	
B7	135			201		237	
B8	132			198		231	
	***	***	***	***	***	***	***
C1	121			176		203	
C2	123			162		201	
C3	121			179		191	
C4	122			160		211	
C5	124			161		210	
C6	118			178		212	
C7	113			177		211	
C8	113			173		209	
	***	***	***	***	***	***	***
D1	142			128		251	
D2	147			131		254	
D3	144			125		249	
D4	147			133		255	
D5	143			124		249	
D6	146			125		249	
D7	140			117		242	
D8	138			119		244	
	***	***	***	***	***	***	***
WEAR In→	0.000			0.044		0.097	

REMARKS: AIR DRY

NON-TRK 100

ROTATING DISK ABRASION TEST-ASTM C779

PROJECT NO 051002

METHOD A

DATE 10/24/97

SPECIMEN CONTROL

TESTED BY BRYCE

AGE 23 DAYS

Reading Location	MINUTES OF WEAR						
	0	2	15	30	45	60	120
A1	191			255		319	
A2	191			268		322	
A3	191			263		316	
A4	186			285		317	
A5	150			260		314	
A6	181			281		314	
A7	176			257		309	
A8	174			257		307	
	***	***	***	***	***	***	***
B1	162			242		301	
B2	152			238		294	
B3	157			243		289	
B4	151			234		291	
B5	158			240		297	
B6	150			235		291	
B7	153			235		294	
B8	142			232		288	
	***	***	***	***	***	***	***
C1	173			250		222	
C2	173			250		221	
C3	178			258		229	
C4	177			255		225	
C5	181			273		234	
C6	182			271		232	
C7	185			279		241	
C8	182			272		235	
	***	***	***	***	***	***	***
D1	127			193		247	
D2	133			199		255	
D3	131			199		253	
D4	145			205		250	
D5	133			202		256	
D6	140			208		252	
D7	136			205		250	
D8	139			212		255	
	***	***	***	***	***	***	***
WEAR In->	0.000			0.080		0.111	

REMARKS: MOIST ROOM

Construction Technology Laboratories, Inc.