nox-crete™

chemical solutions to concrete problems

TESTING SUMMARY: Stain Resistance - ASTM D 1308

Concrete test specimens were diamond ground to lightly remove a thin layer of the cement paste and then polished up to 800 grit. Two coats of DURO-NOX LSC were applied during the polishing process at approximately 700 to 800 sf/gal per coat. After 24 hours, two coats of DURO-POLISH PLUS were applied using a 2:1 dilution ratio with water at an approximate coverage rate of 1,000 sf/gal per coat. The test specimens were allowed to air cure at room temperature for seven days before testing.

RATING SCALE	
APPEARANCE OF DURO-FLOOR CLASSIC SYSTEM	APPEARANCE OF CONCRETE
1 = Excellent	A = Excellent (No Concrete Surface Damage)
2 = Good	B = Good (Slight Staining)
3 = Fair	C = Fair (Concrete Surface Etching with Slight Staining Possible)
4 = Poor	D = Poor (Significant Concrete Surface Etching and Staining)
5 = Failure - Not Recommended	F = Failure - Not Recommended (Severe Concrete Etching and Staining)

	15 Minutes	1 Hour	4 Hours
ACIDS			
10% Citric	1A	1A	1A
10% Acetic	1A	2B	3C
10% Hydrochloric	1A	5C	5D
ALCOHOL			
Ethyl Alcohol	1A	1A	1A
Ethylene Glycol / Diethylene Glycol Mix	1A	1A	1A
SALTS			
Calcium Chloride	1A	1A	1A
Sodium Chloride	1A	1A	1A
BASES			
30% Ammonium Hydroxide	1A	2B	2B
45% Potassium Hydroxide	1A	1A	1A
50% Sodium Hydroxide	1A	1A	1A
SOLVENTS			
Mineral Spirits	1A	1A	1A
Xylene	1A	1A	1A

	15 Minutes	1 Hour	4 Hours
OILS			
Gasoline	1A	1A	1A
Brake Fluid	1A	2B	2B
Motor Oil	1A	1A	1A
ATF	1A	1A	1A
OTHERS			
Cola	1A	1A	1A
Mustard	1A	1A	2C
Ketchup	1A	1A	1A
Red Wine	1A	1A	1A
Balsamic Vinegar	1A	1A	1A
Vegetable Oil	1A	1A	1A
Bleach	1A	2B	2B
Tap Water	1A	1A	1A
Liquid Laundry Detergent	1A	1A	1A
Lemon Juice	1A	1A	1A

* Testing was conducted in a laboratory under controlled conditions. Slight differences in results are possible due to differences in concrete mix designs, surface finish and environmental conditions.