

## IMPACT 100% EPOXY

### DESCRIPTION:

Impact 100% Epoxy is a two component 100% solids epoxy coating system designed as a heavy duty re-surfacer that will fill many cracks and superficial defects in concrete. In its cured state, it leaves a smooth non-porous high gloss finish that will withstand industrial chemicals and high abrasion.

**TENSILE STRENGTH:** 6830 psi, 7 days

**FLEXURAL STRENGTH:** 11,400 psi, 7 days

**COMPRESSIVE STRENGTH:** 14,225 psi, 7 days

Reagent	24 Hours	7 Days	28 Days
Ethanol	Moderate	Moderate	Moderate
MEK	Good	-	-
10% Lactic Acid	Good	Moderate	Poor
10% Sulfuric Acid	Excellent	Good	Good
10% Acetic Acid	Good	Moderate	Poor
10% Sodium Hypochlorite	Excellent	Excellent	Excellent
50% Sodium Hydroxide	Excellent	Excellent	Excellent
70% Sulfuric Acid	Excellent	Good	Good
Road Salt	Excellent	Excellent	Excellent
Deionized Water	Excellent	Excellent	Excellent

### ABRASION TESTING:

Independent lab test for abrasion resistance relative to four concrete floor coatings. Each coating was applied by a 5 mm pile roller in two coats to smooth concrete stones and allowed to dry cure at room temperature. Abrasion tests were conducted at two intervals, at 48 hours and at 7 days from the time of the second coat application.

### PROCEDURE:

Abrasion testing was performed on a standard gardner-style scrub tester, using diamond grit no. 220 wet abrasion paper, kept wet by periodic water spray and changed every 1000 cycles. Cycles to fail indicate the number of abrasive cycles to wear through the coating film and expose a minimum of one square inch of the concrete substrate.

### ABRASION TEST RESULTS

COATINGS	CYCLES TO FAIL	
	48 Hours	7 Days
Solvent Based Alkyd Floor Paint	48	128
Solvent Based Urethane	64	96
Two Part Water Based Epoxy	144	224
Two Part Solvent Based Epoxy	336	1,024
Impact 100% Epoxy	5,912	6,992