EASTERN RESINS

CHEM SHIELD LV RESIN

DESCRIPTION:

CHEM SHIELD LV RESIN is a 100% solids, low viscosity Modified novolac resin designed as a binder for trowel applied floors. *CHEM SHIELD LV RESIN* will bond to cold damp concrete. Non-Blushing and Non-water spotting characteristics makes it ideal for applications requiring high strength, exceptional chemical resistance and moderate temperature resistance.

TYPICAL USES:

Most corrosive environments
Primer for epoxy mortars
Broadcast coating for industrial traffic
Binder for mortars

FEATURES:

low viscosity
Convenient 2 to 1 ratio by volume
Non-blushing & non- water spotting
Bonds to cold damp concrete
USDA acceptable
Excellent pot life and fast cure

VISCOSITY: (@72°F)

Part A:	1000 cps
Part B:	100 cps
Mixed:	600 cps

MIX RATIO BY VOLUME:

2 parts A to 1 part B (by volume)

COLORS:

light grey, standard grey, safety yellow, tile red

CURE SCHEDULE:

Pot life @ 75°F:	18-20 minutes
Tack free:	4 hours
Foot Traffic:	8 hours
Forklift Traffic:	12 hours

PHYSICAL PROPERTIES:

Compressive Strength (neet)	ASTM D695	10,000 psi
Tensile Strength	ASTM D 638	4,800 psi
Elongation at Break	ASTM D-638	10 %
Abrasion Resistance		
CS-17 Wheel, 1 kg load	ASTM D4060	0.20 gm loss
Water Absorption (2 hour Boil)	ASTM D570	0.09%
Flexural Strength	ASTM D790	9,600 psi
Shore D Hardness	ASTM D2240	87
Heat Distortion Temperature	ASTM D648	125°F
Bond Strength to : Concrete		100% concrete failure

CHEMICAL RESISTANCE:

REAGENT		RATING	REAGENT		RATING
ACIDS			**ALKALIES**		
Acetic	1-5%	2	Ammonium Hydroxide	1-15%	2
Chromic	1-5%	2	Calcium Chloride	all	2
Citric	all	2	Calcium Hypochlorite	1-6%	2
Hydrochloric	all	2	Caustic Soda		2
Lactic	1-5%	2	Caustic Potash		2
Nitric	1-3%	2	Sodium Hydroxide	all	2
Oxalic	1-20%	2	Sodium Sulfide	1-15%	2
Phosphoric	1-35%	2			
Sulfuric	1-50%	2			

2 = intermittent immersion (8 hours per immersion followed by 8 hours dry time)