EASTERN RESINS

NOVA SHIELD LV

DESCRIPTION:

NOVA SHIELD LV is a 100% solids, USDA acceptable, highly chemical resistant, low viscosity novolac resin designed as a binder for novolac mortar. *NOVA SHIELD LV* provides a tough, chemical and abrasion resistant surface for concrete and wood substrates

TYPICAL USES:

Most corrosive environments
Chemical Containment areas
Primer for Novolac epoxy mortars
Broadcast coating for industrial traffic
Binder for epoxy mortar
Sealer for concrete and wood surfaces

FEATURES:

Resistant to most concentrated chemicals, including 98% sulfuric acid
Convenient 2 to 1 ratio by volume
Self-leveling and air releasing
Non-Blushing and Non-Waterspotting
Bonds to cold damp substrates
USDA acceptable

VISCOSITY: (@72°F)

Part A:	800 cps
Part B:	475 cps
Mixed:	550 cps

MIX RATIO BY VOLUME:

2 parts A to 1 part B (by volume)

COLORS:

9 standard colors

CURE SCHEDULE:

Pot life @ 75°F:	18-20 min.
Tack free:	6 hours
Foot Traffic:	8 hours
Forklift Traffic:	12 hours
Chemical exposure (intermittent)	2 days
Chemical exposure (continuous)	10 days

PHYSICAL PROPERTIES:

Compressive Strength	ASTM D695	14,000 psi
Tensile Strength	ASTM D 638	6,800 psi
Elongation at Break	ASTM D-638	4.5%
Abrasion Resistance		
CS-17 Wheel, 1 kg load	ASTM D4060	0.10 gm loss
Water Absorption (2 hour Boil)	ASTM D570	0.09%
Flexural Strength	ASTM D790	9,600 psi
Shore D Hardness	ASTM D2240	100+
Heat Distortion Temperature	ASTM D648	150°F
Bond Strength to : Concrete (wet & dry)		100% concrete failure

CHEMICAL RESISTANCE:

Acetic acid	1-10%	2	Ammonium Hydroxide	all	1
Chromic	1-10%	2	Calcium Chloride	all	1
Citric	all	1	Calcium Hypochlorite	all	2
Hydrochloric	all	2	Caustic Soda	all	1
Lactic	1-30%	2	Caustic Potash	all	1
Nitric	1-10%	2	Sodium Hypochlorite	all	2
Oxalic	1-30%	2	Sodium Hydroxide	all	1
Phosphoric	all	2	Sodium Sulfide	all	2
Sulfuric	all	1			

1 = constant immersion

2= 8 hour immersion with 8 hour dry time

NOTE: SOME CONCENTRATED REAGENTS MAY CAUSE STAINING, BUT WILL NOT EFFECT COATINGS RESISTANCE OR PERFORMANCE.