

EASTERN RESINS

NOVA SHIELD TOP COAT

DESCRIPTION:

NOVA SHIELD TOP COAT is a 100% solids, Novolac system designed for top coating broadcast floors and mortars. Additionally, it can be used as a broadcast floor coating and binder for epoxy mortars. *NOVA SHIELD TOP COAT* will bond to damp concrete. Non-Blushing and Non-water spotting characteristics makes it ideal for applications requiring an high gloss appearance.

TYPICAL USES:

- In corrosive environments
- Primer for Novolac epoxy mortars
- Broadcast coating for industrial traffic
- Binder for epoxy mortar
- Excellent as a finish top coat

VISCOSITY: (@72°F)

- Part A: 900 cps
- Part B: 150 cps
- Mixed: 600 cps

COLORS:

Light grey, standard grey, tile red

FEATURES:

- High gloss
- Convenient 2 to 1 ratio by volume
- Non-blushing & non- water spotting
- Bonds to cold damp concrete
- Self-leveling and air releasing
- USDA acceptable

MIX RATIO BY VOLUME:

2 parts A to 1 part B (by volume)

CURE SCHEDULE:

- Pot life @ 75°F: 20 min.
- Tack free: 4 hours
- Foot Traffic: 7 hours
- Forklift Traffic: 12 hours

PHYSICAL PROPERTIES:

Compressive Strength	ASTM D695	11,000 psi
Tensile Strength	ASTM D 638	3,800 psi
Elongation at Break	ASTM D-638	5%
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	129°F
Bond Strength to : Concrete (wet or dry)		100% concrete failure

CHEMICAL RESISTANCE:

REAGENT	RATING	REAGENT	RATING
ACIDS		ALKALIES	
Acetic 1-10%	2	Ammonium Hydroxide 1-28%	2
Chromic 1-5%	2	Calcium Chloride all	2
Citric all	2	Calcium Hypochlorite 1-15%	2
Hydrochloric all	2	Caustic Soda	2
Lactic 1-10%	2	Caustic Potash	2
Nitric 1-10%	2	Sodium Hydroxide all	2
Oxalic 1-30%	2	Sodium Hypochlorite 1-15%	2
Phosphoric all	2	Sodium Sulfide 1-30%	2
Sulfuric all	2	(2 = 8 hours immersion with 8 hours dry time)	