

EASTERN RESINS

NOVA SHIELD HT

DESCRIPTION:

NOVA SHIELD HT is a 100% solids, highly chemical and temperature resistant novolac coating that is suitable as a broadcast floor coating. NOVA SHIELD HT Provides a tough, chemical and abrasion resistant surface for concrete and wood substrates

TYPICAL USES:

Most corrosive environments
Chemical Containment areas
High temperature applications
Broadcast coating for industrial traffic

VISCOSITY: (@72°F)

Part A: 1200 cps
Part B: 3000 cps
Mixed: 1500 cps

COLORS:

Amber

FEATURES:

Resistant to most concentrated reagents including 98% sulfuric acid
Convenient 4 to 1 ratio by volume
Self-leveling

MIX RATIO BY VOLUME:

4 parts A to 1 part B (by volume)

CURE SCHEDULE:

Pot life @ 75°F:	15 min.
Tack free:	4 hours
Foot Traffic:	6 hours
Forklift Traffic:	12 hours
Chemical exposure (intermittent)	3 days
Chemical exposure (continuous)	10 days

PHYSICAL PROPERTIES:

Compressive Strength	ASTM D695	15,000 psi
Tensile Strength	ASTM D 638	6,800 psi
Elongation at Break	ASTM D-638	3.9%
Abrasion Resistance		
CS-17 Wheel, 1 kg load	ASTM D4060	0.07 gm loss
Water Absorption (2 hour Boil)	ASTM D570	0.06%
Flexural Strength	ASTM D790	9,600 psi
Shore D Hardness	ASTM D2240	92+
Heat Distortion Temperature	ASTM D648	150°F
Temperature resistance (Dry Heat)		275-350°F
Bond Strength to : Concrete (dry)		100% concrete failure
Flammability	ASTM E-831	Self Extinguishing

CHEMICAL RESISTANCE:

See Chemical resistance guide for complete listing