

EASTERN RESINS

DECO SHIELD LV

DESCRIPTION:

DECO SHIELD LV is a 100% solids, low viscosity, clear epoxy flooring system designed for a variety of applications. It will not blush or water spot and has good physical and chemical resistance properties.

TYPICAL USES:

Sealing concrete
Primer for epoxy mortars
Broadcast coating for industrial traffic
Binder for epoxy mortar
Sealer to stop out-gassing
Clear resin for color quartz flooring
Bonding cracked concrete

FEATURES:

Low viscosity
Convenient 2 to 1 ratio by volume
Bonds to damp concrete
Self-leveling and air releasing
USDA acceptable

VISCOSITY: (@72°F)

Part A: 500 cps
Part B: 80 cps
Mixed: 150 cps

CURE SCHEDULE:

Pot life @ 75°F: 20 minutes
Tack free: 3-4 hours
Foot traffic: 7 hours
Forklift traffic: 8 hours

MIX RATIO BY VOLUME:

2 parts A to 1 part B

PHYSICAL PROPERTIES:

		Neet	Mortar
Compressive Strength	ASTM D695	11,000 psi	18,000 psi
Tensile Strength	ASTM D638	3,800 psi	4,500 psi
Elongation at Break	ASTM D638	6.68%	2.58%
Abrasion Resistance			
CS-17 Wheel, 1 kg load	ASTM D4060	0.10 gm loss	0.21 gm loss
Water Absorption (2 hour Boil)	ASTM D570	0.09%	0.05%
Flexural Strength	ASTM D790	9,600 psi	6,000 psi
Shore D Hardness	ASTM D2240	90	95
Heat Distortion Temperature	ASTM D648	120°F	129°F
Bond Strength to Concrete		100% Concrete failure	

CHEMICAL RESISTANCE:

Water (fresh & salt)	excellent
Sewage	excellent
Low concentrations of acids and alkalis	excellent
Petroleum products	excellent