

# ***EASTERN RESINS***

## **ER-2100 HD**

### **(KEVLAR REINFORCED CERAMIC LINER)**

#### **DESCRIPTION:**

*ER-2100* is a 100% solids, high performance novolac epoxy coating, featuring 30% tensile elongation, Superior chemical and abrasion resistance, high build tile like glaze finish will withstand severe abuse. Kevlar reinforcing fiber provides unsurpassed abrasion and chip resistance. *ER-2100 HD* can be applied to surfaces above and below the water line, bonds to concrete (wet & dry), steel and wood surfaces.

#### **TYPICAL USES:**

Most corrosive environments  
Marine, chemical, pulp & paper  
Spillways, piping, pilings, columns  
Excellent as a finish top coat

#### **FEATURES:**

High gloss  
Convenient 2 to 1 ratio by volume  
Non-blushing & non- water spotting  
**Can be applied underwater**  
Non-corrosive, non-hazardous  
No shipping restrictions

#### **VISCOSITY: (@72°F)**

Part A: 25,000 cps  
Part B 450 cps  
Mixed: 1,200 cps

#### **MIX RATIO BY VOLUME:**

2 parts A to 1 part B (by volume)

**COLORS:** light grey, standard grey, dark blue,  
Light blue, green, safety yellow. beige, tile red

#### **CURE SCHEDULE:**

Pot life @ 75°F: 26 minutes  
Tack free: 6 hours  
Full cure: 24 hour

#### **PHYSICAL PROPERTIES:**

Compressive Strength	ASTM D695	10,800 psi
Tensile Strength	ASTM D 638	4,900 psi
Elongation at Break	ASTM D-638	30 %
Abrasion Resistance		
CS-17 Wheel, 1 kg load	ASTM D4060	0.14 gm loss
Water Absorption (2 hour Boil)	ASTM D570	0.09%
Flexural Strength	ASTM D790	6,700 psi
Shore D Hardness	ASTM D2240	87
Heat Distortion Temperature	ASTM D648	130°F
Bond Strength to : Concrete		100% concrete failure
VOC		0
Shelf Life		3 years minimum
Theo. Spread rate		100 sq. ft. @ 16 mils

**CHEMICAL RESISTANCE  
(splash & spill)**

Acetic	1-20%	excellent	Ammonium Hydroxide	All	excellent
Chromic	1-10%	excellent	Calcium Chloride	All	excellent
Citric	All	excellent	Calcium Hypochlorite	1-15%	excellent
Hydrochloric	All	excellent	Caustic Soda		excellent
Lactic	1-50%	excellent	Caustic Potash		excellent
Nitric	1-20%	excellent	Sodium Hydroxide	All	excellent
Oxalic	1-20%	excellent	Sodium Sulfide	1-30%	excellent
Phosphoric	All	excellent			
Sulfuric	All	excellent	Skydrol® Fluids		excellent
Bleach		excellent	Butyl Cellosolve		excellent
Ethanol		excellent	Gasoline		excellent
Jet fuels (JP- 4-6)		excellent	Methanol		excellent
Methyl Ethyl Keytone		excellent	Toluene		excellent
Trichloroethane		excellent	Xylene		excellent
Water	All	excellent	Sewerage (gas & solids)		excellent
Xylene		excellent			