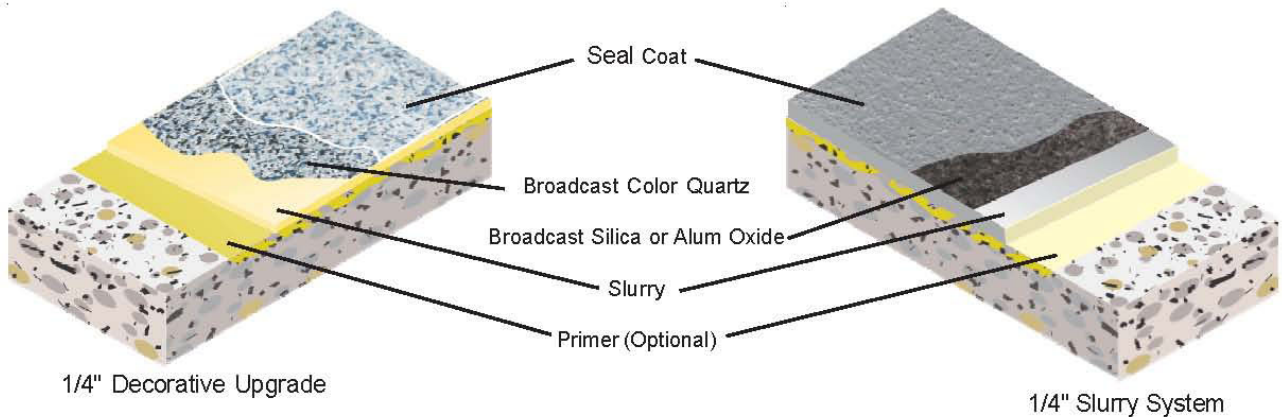


Urethane Concrete

Urethane Concrete is a low odor, self-leveling slurry to be applied at 3/16" thickness and broadcast to yield a 1/4" - 3/8" finished system. Urethane Concrete can be applied with a pin rake, screed rake or flat trowel. It is designed to protect concrete, wood and steel substrates from thermal shock, impact, corrosion, mild chemical attack and abrasion. A decorative quartz broadcast may be specified as an upgrade to the standard system.



Advantages

- Can be applied to "green" concrete
- Rapid cure and hardness development
- Low odor, water based
- Hot cooking oil and steam resistance
- Low temperature cure
- Will not lose bond due to thermal shock
- Impact resistant
- Moisture insensitive
- Maintains bond with vapor emissions up to 15 lbs.
- Acceptable for use in USDA inspected facilities
- Resistant to:

<u>28 Day Exposure @ 72°F</u>	<u>Result</u>
	NE= No Effect
Alcohol	NE
Ethylene Glycol	NE
Fats, Oils & Sugars	NE
Gasoline, Diesel & Kerosine	NE
Hydrochloric Acid (<35%)	NE
Lactic Acid (Milk)	NE
Mineral Oils	NE
Most Organic Solvents	NE
Muriatic Acid	NE
Nitric Acid (<10%)	NE
Nitric Acid (<30%)	Slight Softening
PM Acetate	NE
Phosphoric Acid (<50%)	NE
Potassium Hydroxide (<50%)	NE
Sodium Hydroxide (<50%)	NE
Sulfuric Acid (<50%)	Slight Gloss Loss
Water	NE
Xylene	NE

Uses

- Food processing kitchens
- Commercial kitchens
- Food and Beverage plants
- Sugar processing plants
- Meat and Poultry plants
- Restrooms and concession stands

Typical Physical Properties

Color	Red, Light Gray or Dark Gray	
Decorative Upgrade:	Selected Ceramic Carpet Blends	
Cure Time	Recoat	4-5 hours
	Foot Traffic	6-8 hours
	Full Service	10-12 hours
Abrasion Resistance	20-30 mgs lost	
ASTM D 4060, CS-17 Wheel, 1,000 cycles		
Hardness, Shore D	75	
ASTM D 2240		
Tensile Strength	550-600 psi	
ASTM C 307		
Compressive Strength	5,000 psi	
ASTM C 579		
Flexural Strength	3,700 psi	
ASTM C 580		
Adhesion	350 psi	
ACI 503R	100% concrete failure	
Impact Resistance	Withstands 16 ft lbs	
MIL-D-3134, Sec. 4.7.3	without cracking, delamination or chipping	
Flammability	Self-Extinguishing over concrete	
Coefficient of Friction	>0.80	
ASTM D 2047		
Service Temperature at 3/16"	-50°F - 300°F	
Shrinkage	Nil	
Water Absorption	Nil	

ASTM C = Mortar System

ASTM D = Resin only