



606-6 Lane Avenue North  
Jacksonville, FL 32254

Phone (904) 693-8800 FAX (904) 693-8700

**Product Data Sheet For:**

**PLEXICRETE  
SPEED TOP SL (No BBP)**

**DESCRIPTION**

PlexiCrete Speed Top SL is a self-priming four component, 100% solids, high performance urethane mortar flooring system comprised of a urethane binder, pigments, powders and quartz aggregates. It is designed for a variety of applications on concrete or steel. This system provides conventional protection plus **thermal-shock resistance**, with a wide range of both caustic and acid resistance.

**PLEXICRETE ADVANTAGES**

- **Chemical Resistance** – polyurethane technology provides superb protection against caustics, organic and inorganic acids, solvents and most chemicals used today in industry.
- **Thermal Shock Resistance** – PlexiCrete and concrete have a similar coefficient of thermal expansion from under -50°F to 265°F. PlexiCrete withstands continuous hot water washdowns.
- **Impact Resistance** – while epoxy and vinyl esters can crack and spall, PlexiCrete will absorb an impact and distribute the force throughout the system.
- **Downtime** – no primers or sealers are required due to the **resin-rich** properties. Fast curing in less than 6 hours.
- **Non-Slip** – the surface can be customized to any facilities requirements...from decorative self-leveling to aluminum-oxide solid broadcast.
- **Odorless Materials** – no tainting of food products due to freedom from objectionable odors during application.
- **Thermal Comfort** – PlexiCrete provides superior insulation over concrete or other plastic flooring systems.
- **Hygiene** – PlexiCrete eliminates tile joints, minimizes cracking as occurs in traditional monolithic flooring, and reduces potential bacteria growth.
- **Hydrostatic Pressure** – PlexiCrete will withstand up to 14 lbs of vapor transmission in the slab without delamination. It also allows the concrete to breathe and is a solution for many moisture problems

**Physical Properties**

Compressive Strength	ASTM C-997	8,750 psi
Tensile Strength	ASTM C-307	1,250 psi
Coefficient of Thermal Expansion	ASTM C-531	1.5 x 10(-5) °F
Density	ASTM C-905	130 lbs/ft3
Resistance to Fungi Growth	ASTM G-21	passes, rating of one
Impact Resistance	ASTM D-2794	no visible damage or deterioration at min 160 inch-pounds
Comprehensive Modulus	ASTM C-469	1.7 x 10(5) psi
Flexural Strength	ASTM C-580	2,625 psi
Modulus of Elasticity	ASTM C-469	1.7 x 10(5) psi
Thermal Conductivity	ASTM C-177	6.8 BTU-in/hr-ft2°F
Water Absorption	ASTM C-413	<0.03%
Abrasion Resistance	ASTM D-4060 @ 1000 cycles	.06 grams loss
Resistance to Elevated Temperatures	MIL-D-3134	no flowing or softening
Adhesion	ASTM D-4541	500 psi 100% concrete failure, exceeds concrete
Heat Resistance		≥250°F

**Areas of Application**

- Food & Beverage  
(FDA/USDA Accepted)
- Bakery
- Food Processing
- Dairy
- Meat Processing
- Soda & Juice Facilities
- Brewery
- Prepared Foods
- Commercial Kitchens
- Chemical Processing
- Animal Rooms
- Secondary Containment
- Pharmaceutical
- Pulp & Paper

## Chemical Resistance

PlexiCrete flooring systems resist spills and in many cases immersion of:

### Acid

Hydrochloric  
Phosphoric  
Sulfuric

### Alkalai

KOH  
Ammonium Chloride  
Sodium Hydroxide

Also resists hot fatty oils, diesel fuel, and organic solvents (MEK, Acetone, Toluene)

*Full chemical resistance chart available upon request*

## Colors

Unlike competitor's products, PlexiCrete is available in a wide variety of colors

### *Solid Colors*

Tile Red  
Granada Grey  
Desert Brown  
Sky Blue  
Other Pastels

### *Broadcast Colors*

Full palate of quartz from 3M and Estes for Broadcast SLB/Q systems
--

## Surface Preparation

PlexiCrete and all of our high performance resurfacing systems always require shotblasting and mechanical preparation. No other preparation method is acceptable for the long-term success of any floor.

## Installation

PlexiCrete uniquely offers a combination of outstanding performance with ease of installation. Contact us for a copy of our comprehensive installation instructions.