



# ZeraBrite™ TC

## UV-Resistant Clear 100% Solids Polyaspartic Tie-Coat

### DESCRIPTION

ZeraBrite™ TC is 100% solids, two-component, aliphatic polyaspartic tie-coat for a multi-layer textured traffic deck waterproofing system. It is designed to provide UV protection against direct sunlight exposure for exterior applications. This product is only recommended as a tie-coat over fully seeded urethane-modified epoxy ZeraFlex WC traffic deck coating.

### WHERE TO USE

It is recommended as a top-coat (tie-coat) for commercial garage decks on suspended slabs for exterior applications. Its main function is to encapsulate the silica sand aggregate in multi-layer traffic decks to generate an ethnically appealing finish with excellent durability.

### BENEFITS

- Attractive high gloss coating
- Rapid cure and hardness development
- 100% solids, zero VOC's
- Cures down to 2°C (32°F)
- Outstanding outdoor stability & UV Resistance
- Superior abrasion, scratch and mar resistance
- Resistant to gasoline, water, oil, road salts
- Tough and flexible with excellent impact resistance
- Excellent flexibility and resistance to temperature variations

### HANDLING PROPERTIES @ 25°C (77°F)

Mixing Ratio, by volume	2 part A: 1 part B
Viscosity (Mixed)	500 cps
Solids (by volume)	100%
Mixed Weight (Density)	1.22 kg/L (10.2 lb./US gal)
Pot Life (working time)	15 minutes
Foot Traffic (re-coat time)	5 hours
Vehicular Traffic	24 hours
Full Cure and Maximum Resistance	7 days
Colour	grey

### DATA - Cured Film (7 days cured @ 23°C/50% RH)

Tensile Elongation (ASTM D-412)	26%
Tensile Strength (ASTM D-412)	13.5 MPa (1970 psi)
Water Absorption (ASTM D-471)	0.6 %
Abrasion Resistance (ASTM D-4060) Taber Abrasion, C17 wheel, 1000 gm	42 mg loss
Impact Resistance (ASTM D-2794)	pass 160 in./lb
Hardness (Shore D) (ASTM D-2240)	65
Weatherability, 2000 hrs (Q.U.V)	Excellent

### MIXING

USE A VERY SLOW SPEED MIXER. AVOID ENTRAPPING AIR INTO THE COATING. Mix Part A separately to obtain uniformity. Always use a stir stick to scrape the sides and the bottom of the mixing bucket. Pour the entire content of the liquid from the Part B container into the Part A container and mix thoroughly for 1-2 minutes until it is completely uniform.

ZeraBrite™ TC is a 100% solids coating that has no odour whatsoever. However, ZeraBrite can be thinned by adding 2% ZeraThane thinner which is solvent with favourable odor. This would help the flow and penetration into the concrete surface.

### APPLICATION

Pour a workable amount of the mixed coating onto the prepared substrate (or use a paint tray) and spread the material evenly with a short nap 6 mm lint-free roller. Always apply the coating once in a multi-directional manner (north-south, east-west) to provide an even coat at the proper thickness (8 mils wet). Care should be taken not to over roll the material as air may become entrapped in the coating. After 2 hours @ 23°C, apply the second coat in the same manner as the first if needed. Allow the coating to

cure thoroughly for 2 hours for foot traffic exposure and 16-24 hours for vehicular traffic.

### **LIMITATIONS**

- It is not recommended to use if the temperature is near the dew point or the relative humidity exceeds 85%.
- When used over an epoxy-based coating or primer, it's recommended be applied within the re-coat window or roughen the coating with sandpaper.
- Ensure that the surface is clean and dry.
- Not breathable; do not apply over an exterior slab-on-grade unless a vapor barrier is used.
- Do not leave the container opened; seal the container immediately. Part B in particular is very sensitive to moisture.

### **COVERAGE**

125 ft<sup>2</sup>/U.S. gallon over textured fully seeded surfaces.

### **PACKAGING**

56.7 litre (15 U.S. gal.) units

### **CLEAN UP**

Clean all equipment and installation tools immediately with xylene or acetone.

### **SAFETY PRECAUTIONS**

Consult the Material Safety Data Sheet (MSDS) for specific instructions.

### **STORAGE**

Store in a heated warehouse. Do not freeze.

### **SHELF LIFE**

One year from the date of manufacture if kept in the original unopened containers under normal heated warehouse conditions.

### **WARRANTY**

“The recommendations made and the information herein is the result of accurate laboratory and field tests under controlled conditions. We guarantee that the quality and properties of the materials supplied conform to our standards. Zeraus Products Inc. makes no warranties, expressed or implied, as uses and applications are beyond our control. Zeraus Products Inc. shall not be liable for any injury, loss, or damage (direct or consequential) arising from use or inability to use the products. Before using, the user is urged to pre-test the products in his/her own environment to determine the suitability of the products for their intended use, and the user assumes all risk and liability whatsoever in connection therewith.

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