



ZeraGuard TC99

Heavy-Duty Abrasion-Resistant Epoxy Tie-Coat

DESCRIPTION

ZeraGuard™ TC99 is a two-component epoxy coating that is designed for heavy-duty vehicular traffic applications such as commercial parking garages. It is resistant to the corrosive effects of de-icing salts, water, oil and petroleum. It is recommended for interior application only. For outdoor traffic deck system ZeraBrite TC (UV-resistant polyaspartic coating) is recommended.

WHERE TO USE

ZeraGuard™ TC99 is recommended as a topcoat (tie-coat) over multi-layer fully-seeded broadcast traffic deck system for interior commercial and condominium parking garages. It also recommended for ramp, stairs and other heavy traffic interior applications.

BENEFITS

- 99 % solids, with very low odour, negligible VOC's
- Fast cure for minimizing disruption of traffic
- Water and chemical resistant
- Resistant to battery acid, petroleum, traffic salts and melted snow
- Excellent colour stability for interior applications
- High abrasion resistant

HANDLING PROPERTIES @ 23°C (74°F)

Mixing Ratio, by volume	2 parts A: 1 part B
Viscosity (Mixed)	1000 cps
Solids Content	99 %
Mixed Density.....	1.13 kg/L (9.4 lb./US gal)
Pot Life (working time).....	15 minutes
Vehicular Traffic.....	24 hours
Full Cure and Maximum Resistance	7 days

DATA – Cured Film

Tensile Strength	38 MPa (ASTM D638-86)
Hardness (Shore D Scale)	82 (ASTM D2240-86)
Abrasion Resistance (ASTM D4060)	54 mg loss Taber Abrasion, C17 wheel, 1000 cycles

SURFACE PREPARATION

ZeraGuard™ TC99 should be applied as topcoat over fully seeded surface (ZeraFlex™ HB-WC).

MIXING

The mixing equipment used to mix the coating must be clean and free of any contaminants that may be present in the equipment from previously used products. Mix component A first to eliminate the possibility of settlement. Combine two parts of Part A with one part of Part B into clean mixing container. A 'Jiffy Mixer' equipped with a slow speed drill is the preferred method of mixing. Mix the blended components for 2 minutes.

APPLICATION

Pour a workable amount of the mixed material on to the prepared substrate and spread it evenly over the surface with a flat squeegee. Using a lint free 5 mm nap roller, back roll the applied material to provide an even coat. Care should be taken not to over roll the material as air may become entrapped in the coating.

LIMITATIONS

- Do not apply ZeraGuard™ TC99 if the substrate and ambient temperatures are below 10°C (50°F).
- Do not use over an existing floor without testing both the intercoat adhesion as well as the adhesion of the existing floor to concrete.
- Do not apply in areas where the humidity is greater than 85%.
- May slightly discolor under direct exposure to UV.

COVERAGE

Based on 15 mils thickness per coat (over fully seeded surfaces):

2.7 m²/litre (120 ft²/U.S. gallon)

PACKAGING

56.7 litre/15 U.S. gallon units

CLEAN UP

Clean all equipment and installation tools immediately

with xylene.

SAFETY PRECAUTION

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

STORAGE

Store in a heated warehouse. Do not freeze.

SHELF LIFE

2 years from the date of manufacture if kept in original unopened containers.

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.

Zeraus Products Inc.’s liability, if any, is limited to a refund of the purchased price or replacement of that portion of the merchandise proven to be defective. Zeraus Products Inc. shall have no other liability, including liability for incidental, consequential or resultant damages, however caused, whether due to breach of warranty, negligence, or strict liability.

This warranty may not be modified or extended by representatives of Zeraus Products Inc., its distributors or dealers.”