



ZeraTop™ E-100

Heavy-Duty Abrasion-Resistant Epoxy Topcoat

DESCRIPTION

ZeraTop™ E-100 is a 100% solids, two-component epoxy floor coating that is designed for heavy-duty vehicular traffic applications. It is resistant to the corrosive effects of de-icing salts, water, oil and petroleum. It contains a fine grade aluminum oxide in order to generate maximum scratch and abrasion resistance performance.

WHERE TO USE

ZeraTop™ E-100 is recommended as a topcoat (tie-coat) over fully-seeded broadcast traffic deck system for commercial and condominium parking garages.

BENEFITS

- 100% solids, with very low odour, zero VOC's
- Very fast cure for minimizing disruption of traffic
- Water and chemical resistant
- Resistant to battery acid, petroleum, traffic salts and melted snow
- Maximum abrasion and scratching

HANDLING PROPERTIES @ 23°C (74°F)

Mixing Ratio, by volume	2 parts A: 1 part B
Viscosity (Mixed)	1100 cps
Solids Content	100 %
Mixed Density.....	1.22 kg/L (10.1 lb./US gal)
Pot Life (working time).....	15 minutes
Vehicular Traffic.....	4 hours
Full Cure and Maximum Resistance	3 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

ZeraTop™ E-100 should be applied as topcoat over fully seeded surface (ZeraGuard™ DC 100).

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 ZeraTop™ E-100 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 discolor under direct constant exposure to UV, and due to some chemical exposures.

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

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