



# ZeraStout™ W

## Breathable Heavy-Duty Waterborne Epoxy Coating

### DESCRIPTION

ZeraStout™ W is a heavy-duty, waterborne, fast-setting, non-slip, two-component epoxy coating for interior concrete floors. It is specially formulated, based on cutting-edge technology, to create a unique microporous, breathable, and water vapor permeable coating, preventing delamination and blistering.

ZeraStout™ W contains fine-grade aluminum oxide that led to significant improvement related to scratch and abrasion resistance properties.

### WHERE TO USE

ZeraStout™ W is primarily designed for slab-on-grade ground floors in condominium or commercial parking garages.

### BENEFITS

- Odorless, safe, non-toxic; low VOC
- Adheres firmly to a properly prepared concrete slab, thus generating a long-lasting bond
- Excellent adhesion to damp concrete or fresh concrete (7 days cure)
- Impervious to water and/or chloride penetration
- High permeability; 100 times greater than solvent-based or 100% solids epoxy coatings
- Fast drying with rapid release of water
- Can be re-coated in 4 hours, thus saving time
- Hot tire pick-up resistance
- Moisture insensitive during application and throughout the cure
- Resistant to water, salts, petroleum and cleaners.
- Freeze-thaw stable

### HANDLING PROPERTIES @ 23°C (74°F)

Mix Ratio, by volume .....	4 Part A: 1 Part B
Pot Life .....	1 hour
Mixed Weight (Density) .....	1.5 kg/litre (12.8 lb./US gal)
Application Temperatures .....	10-30°C (54-86°F)
Thin Film Set Time (Re-coat if Required) ..	4-5 hours
Vehicular Traffic .....	2 days
Full Cure .....	7 days
Colour .....	Medium Grey

### SURFACE PREPARATION

New concrete must be cured for a minimum of 7 days before applying ZeraStout™ W. The temperature during the application is 10°C or higher to allow for water evaporation from the coating. The substrate must be free of all dirt, waxes, moisture, and previously applied coatings, oil, grease, laitance, and any other foreign matter that may interfere with the bonding of the coating to the substrate. Cracks and surface defects should be repaired prior to the application of the coating. Concrete surfaces to be coated should be shot blasted or mechanically abraded to provide a clean tooth for adhesion to the concrete surface.

### 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. Precondition the coating at a temperature of 20-25°C (68-77°F) for 16 hours or so before applying it. Mix component A first to eliminate the possibility of settlement. Pour all of the liquid from Part B into Part A. A 'Jiffy Mixer' or a mud mixer blade on a slow-speed drill is the preferred method of mixing. Mix the blended components for 2 minutes then apply immediately.

### APPLICATION

ZeraStout™ W is a self-prime coating. It is recommended in a two-coat application, or one coat plus one coat of breathable waterborne primer ZeraDite W. However, a second coat may be necessary for heavy-duty applications or where the concrete substrate is highly porous.

Pour a workable amount of the mixed coating into a paint tray and apply the material evenly with a roller just like paint using either a lint-free 6 mm or 9 mm nap roller, depending on the profile of the concrete. Avoid allowing the coating to puddle in a low-lying area, as this may cause the occurrence of softening, lifting, and discolorations.

### LIMITATIONS

- It is not designed for exterior application as may

discolour upon exposure to sun.

- Do not use a squeegee alone to apply the coating; back-roll to ensure a uniform finish.
- It takes a longer time to dry (cure) at lower temperatures or at high levels of humidity.
- Minimum surface temperature for curing is 5°C (41°F), providing that the water had fully exited the coating film beforehand.

## **COVERAGE**

4.9 m<sup>2</sup>/L (200 ft<sup>2</sup>/U.S. gallon), depending on the porosity of the concrete substrate

## **PACKAGING**

18.9L (5 U.S. gal) unit

## **CLEAN UP**

Clean all equipment with potable water prior to the material set.

## **STORAGE**

Protect from freezing. Store under normal heated warehouse conditions. If frozen, discard.

## **SHELF LIFE**

6 months in an original unopened container under normal heated warehouse conditions.

## **SAFETY PRECAUTIONS**

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

## **WARRANTY**

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