



## MOWER DAMAGE TO MANHOLES

### with DINJER RING GUARD



A 3 component, 100% solids, modified epoxy system formulated to produce a moisture-insensitive, chemical resistant epoxy grout.

Meets requirements of Florida DOT Section 926, Type Q - Compounds to protect the anchorages of post tensioning tendons or bars.

#### **Advantages**

Pre-portioned units

High flowability and fill characteristics

Exceptional chemical, corrosion and impact resistance Excellent Adhesion

Long working time

Low exothermic reaction

Excellent bearing area for even distribution of loads

**Packaging** - 1/2 Cubic Ft. Unit - Component A (Resin) Component B (Curing agent) Component C (Aggregate).

**Color** - Concrete Gray

Test Method	Test Value	Property
ASTM C 579	17,700 psi	Compressive Strength 7 day cure @ 73°F
ASTM C307	2140psi	Tensile Strength @ 7 day
ASTM C580	3790 psi	Flexural Strength @ 7day Cure @ 77°F
ASTM C500	1,600,000 psi	Modulus of Elasticity @ 7 day cure @ 77°F
ASTM C531	14.8 x 10 <sup>6</sup> in./in./F	Coefficient of Thermal Expansion 74° - 210°F
ASTM D2471	140° F	Peak Exotherm Specimen 12"x12"x3"
ASTM C882	7600 psi	Slant Shear @ 7 days
ASTM C884	Passed	Bond strength to concrete
ASTM C531	< 0.025%	Thermal Coefficient
ASTM C1339	>90% Contact area	Flowability and Bearing Area
ASTM D2471	63 min.	Gel Time – specimen 12"x12"x3"
ASTM C579		Compressive Strength

## **SURFACE PREPARATION**

Substrate must be clean, sound, and free of standing water. Remove dust, laitance, oils, grease, curing compounds and any foreign substances that may interfere with adhesion. Remove by mechanical means (i.e., sandblasting, grinding, bush hammering). Sandblast metal surfaces for maximum adhesion. Minimum surface preparation for steel is grinding or mechanical wire brushing. Mix and apply grout ASAP to prevent oxidizing.

## **LIMITATIONS**

Minimum application requires a substrate temperature of 40°F. Condition all components to 70°+ to assure good flow properties. Minimum grout depth is 1 inch. Maximum grout depth is 12 inches. If more than 12 inches is required, pour in lifts after first lift has developed initial cure. Cold material has reduced flow properties. Mix only complete units.

## **FORMING**

Dinjer Ring Guard Grout-Pak has a tenacious bond to most materials. Forms must be coated with a bond breaking polyethylene or a paste wax. Seal forms with putty, caulking or foam. All forms must be liquid tight. Prepare forms with 2" head to facilitate placement. Attaching a grout box to the form can enhance flowability.

## **MIXING**

Aggregate must be completely dry. Precondition all components to 70°F+ for 24 hours before using. Remove from the pail all three components. Pour the A & B Component into the pail & mix with a "Jilly Mixer" blade attached to a 314 drill motor for two minutes. Immediately add entire contents of the aggregate component. Mix again for 3 minutes. Pour the mixed grout into forms without delay.

## **CLEAN-UP**

Clean tools and equipment with Pilgrim #5 Cleaner.

## **STORAGE**

Store inside in tightly closed containers at moderate temperatures. Shelf life is two years in original packaging.

## **HANDLING PRECAUTIONS**

**WARNING – FOR INDUSTRIAL USE ONLY!** May produce skin irritation and on prolonged contact may cause serious skin dermatitis. Contact with skin should be avoided with use of rubber gloves and eye protection. Any skin coming in contact with resin should be washed thoroughly with soap and water. Eye contact should be avoided. Should it occur, flush thoroughly with water for at least 15 minutes.

**KEEP OUT OF REACH OF CHILDREN.**

Contact WBE Dorcas, Inc. for MSDS. 719.686.5988