

# TIGERCRETE™

## Quick-Set Patching Mortar



### DESCRIPTION

**Tigercrete™** is a reliable high strength patching mortar with both fast-set and non-shrink properties. Whenever

**Tigercrete™** is used, fast and efficient concrete repairs can be accomplished as a matter of routine procedure rather than a series of special projects. **Tigercrete™** has been approved for use by Federal, State, County and Municipal governments as well as Port Authorities, Highways and Airports.

**Tigercrete™** fills the gap between inefficient regular concrete and high cost specialty cements. The characteristics of **Tigercrete™** quick setting mortar are confirmed by the findings of an independent testing laboratory. **Tigercrete™** is prepared and ready to use after adding water. Due to its fast-setting characteristics, **Tigercrete™** saves time, labor, and site tie-up and eliminates the need to use formwork in many instances.

### USES

Developed for pre-cast, pre-stressed concrete, reservoirs and dams, pilings, docks & seawalls, manufacturing plants, base plates, wall panels & disintegrated utility installations, water treatment plants, overhead beams & roofs, highways & highway bridges, railroad bridges & tunnels. Ideal for driveways, walkways, steps, patios, tile roofs, swimming pools & decks, concrete floors & walls, basement waterproofing, concrete building exteriors, or any area where high compression, bonding power, non-shrink and quick set are needed.

### PRODUCT ADVANTAGES

- Ready to use
- Non-shrink
- Saves 50% on labor costs
- Fast set

### YIELD/COVERAGE

- 5 gallons fills approximately 1/2 cubic foot.

### PACKAGING

- 5-gallon pail

### Typical Technical Data for Tigercrete™

(Product and curing conditions at 73°F and 50% R.H.)

Storage Conditions	Store dry at 40°-95°F. Condition material to 65°-75°F before using.
Freeze/Thaw Resistance (ASTM C 666)	300 cycle – durability factor 77%-Superior to concrete
Mixing Ratio	4 ½ quarts Water per 50 lb. Bag – Easy to mix.
Density	105 lbs. per cubic foot.
Shrinkage (ASTM C 596)	Non-shrink type compound – Permanent
Color	Concrete Gray – Color Match
% Chlorides Ashto T260/78	None – Non Corrosive
Compressive Strength (ASTM C 109)	24 hours – 3390 psi 7 days – 6308 psi 28 days – 7350 psi Fast strength gain
Flexural Strength (ASTM C 348)	7 days – 825 psi 28 days – 1050 psi – Resists vibration
Shear Strength (ASTM D 2344)	16 days – 843 psi – Permanent repair
Time of Setting (ASTM C 266)	Initial set – 3 – 4 minutes Final set – 5 – 7 minutes

### SURFACE PREPARATION

All dirt, oil, dust, foreign contaminants, peeling coating and laitance must be removed from surface prior to coating to assure a trouble free bond. Previously coated floors exhibiting a strong bond to surface can be coated over by sanding down the existing coating.

**Refer to Garon's Master Surface Preparation & Moisture Guideline for complete details.**

### MIXING AREA

Select a suitable mix area and protect the floor surface from accidental resin spillage with a layer of cardboard and/or plastic sheet. Provide enough space for free unimpeded movement for mixing activity. The more comfortable your surroundings in the mix area, the less likely your mixers are to have an error. Have all necessary tools

ready: slow speed drills, mix and measure containers, etc. **Do Not Start Mixing Materials Until Ready for Immediate Use.** Once hardener and resin are combined, it must be used immediately. Prior to mixing apply masking tape wherever coating is intended to stop. Keyed edges must be installed at edge termination points to protect the material from chipping damage and to obtain a clean, straight edge.

### MIXING

Mix **Tigercrete™** to batter consistency and apply a brush coat to cover all concrete and reinforcing rods prior to application of **Tigercrete™** mortar. Use clean equipment at all times. Add water to "wet out" mixer, then empty. Use approximately 4.5 quarts water to 50 lbs. **Tigercrete™** to produce a consistency for vertical and horizontal concrete repairs. Charge mixer with exact

amount of water. Start mixer and add **Tigercrete™** to water while mixer is operating. Mix only long enough to disperse the powder (approximately 1 minute). Avoid over-mixing. Do not retemper with water once **Tigercrete™** has started to set. Empty batch immediately. Clean mixer by adding water and letting mixer run. Empty clean-up water prior to the next batch. **Tigercrete™** has a fast set, only mix that amount of material that can be placed in 5 minutes. Use conventional concrete curing methods.

#### **APPLICATION & PLACEMENT**

For application to smooth surfaces, it is recommended that TIGERBOND™ WP concrete bonding additive be used with **Tigercrete™** to achieve outstanding adhesion to

concrete surfaces. Place **Tigercrete™** with a trowel.

#### **SLIP & FALL HAZARDS**

Ensure cured coating surface remains dry in pedestrian, equipment and vehicular areas to avoid slips and falls of people, equipment and vehicles. Use caution when coating is wet or when oil, hydraulic fluids, grease or other chemicals, fluids or agents that may produce a slick surface are present. Increase slip resistance by broadcasting an appropriate size aggregate into the wet coating during application in all areas where enhanced coating traction may be necessary. **Be aware of the full cure time. Do not open the area to normal service, harsh industrial chemical or abusive use before the coating is fully cured.**

#### **CLEAN UP**

Contain spills. Ventilate area. Use absorbent materials to collect. Dispose of according to local, state, federal regulations. Mixed components — uncured material can be removed with water before material has cured or material must be removed by mechanical means.

#### **DISCLAIMER**

Garon products are sold with the understanding that the buyer will test them in actual use and determine for himself their adaptability to his intended use. However, since such use is beyond our control, we do not guarantee the results to be obtained in the customer's processes. The information contained in this brief is advisory only, and the use of the materials and methods is solely at the risk of the user. These recommendations and suggestions for the use of our materials are in accordance with Garon standards. There are no other warranties by Garon of any nature whatsoever, expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product, and under no circumstances, either expressed or implied, will GARON PRODUCTS, INC. be liable for damages in excess of the purchase price of this product. No statement or recommendation not contained herein shall have any force or effect unless in an agreement signed by the officers of manufacturer and seller.

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#### **COLOR**

Applied samples, color charts, illustrations and reproductions in catalogs and other Garon publications are not guaranteed to match the color shades of materials ordered. Colors or clarity for clear may be affected by high humidity, low temperatures, or chemical exposure. Tire contact may cause discoloration. Slight lot-to-lot color variations may occur. Light or bright colors (white, safety yellow, etc.) may require multiple coats or a suitable color coordinated primer to achieve a satisfactory hide. When ordering to match a previous color, inquire if the same lot number or quality control number is still available. Colors may vary from batch to batch, therefore, use only product from the same batch for an entire job.

#### **FIRST AID**

Skin contact- wash thoroughly with soap & water. If any product gets into the eye, rinse immediately and repeatedly with water for at least 15 minutes. For respiratory problems, remove person to fresh air. Wash clothing before re-use. Dust may cause skin or eye irritation. Wear gloves, eye and nuisance protection. **Consult SDS** and call for medical care if necessary.

#### **CAUTION**

Follow the Hazardous Materials Identification System labeling guide for proper personal protective equipment to use when handling this product. Use only as directed.

#### **LIMITATIONS**

The user is responsible for proper application. Minimum ambient and surface temperatures at 45°F and rising at time of application. Use only potable water for mixing.

Contains Portland Cement CAS #65997-15-1. Freshly mixed cement products may cause skin injury. Avoid contact with skin where possible and wash exposed areas promptly with water. If any product gets into the eye, rinse immediately and repeatedly with water. If ingested, do not induce vomiting and get prompt medical attention. Also contains Sand CAS #14808-60-7. Avoid breathing dust. Prolonged exposure to dust may cause delayed lung injury (silicosis) or cancer ARC Class 2A. Wear NIOSH approved mask for silica dust.

**Keep container tightly closed. Not for internal consumption--consult SDS for additional information. This product is for professional use only.**

#### **KEEP OUT OF REACH OF CHILDREN**

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