

# TITE-ROC

# 3E

## A FAST-SETTING, POURABLE, NON-SHRINK HYDRAULIC CEMENT USED TO ANCHOR FIXTURES IN CONCRETE AND MASONRY SURFACES

**TITE-ROC** is a fast-setting, pourable, non-shrink, hydraulic cement used for anchoring bolts, posts, railings and other fixtures in concrete and masonry surfaces.

### USES and ADVANTAGES

- Anchors railings, bolts, heavy-machinery, posts, fences, appliances, door-stops, shelves and other fixtures.
- Easy to use...just add water and pour.
- Fast setting...sets in 15 minutes and cures in one hour.
- Non-shrinking.
- Expands as it sets.
- Self-leveling.
- Adheres to any object embedded in it.
- Tenacious bond to concrete.
- Sets stronger than concrete in 15 minutes.
- Contains no corrosive agents... will not damage iron or aluminum.
- Will not loosen, crack or shrink under stress, vibration or cold temperature.

### SURFACE PREPARATION

In sound concrete or masonry, drill holes large enough to accept the heads of bolts, including their washers. Make sure the hole diameter will allow the material to readily flow between the bolt or post and the wall of the cavity. Drill hole at least 1" larger than the object to be anchored and at least 2" deep. "Mushroom" the base of the hole by tilting the drill back and forth. After drilling, blow or vacuum out all loose particles to ensure a dust free surface. If the hole is greasy or oily, chip

off with a hammer or chisel to get down to clean, firm concrete. Once the hole is clean, dampen the bottom and walls of the cavity but allow no standing water to remain before filling.

### MIXING

For horizontal applications, add Tite-Roc to clean water (in a clean container) and mix thoroughly to a pourable batter like consistency. Do not mix more material than can be used within 5 minutes. Do not add any sand, gravel, anti-freeze or any other foreign matter which may affect the setting time or weaken the finish material. For vertical applications, mix Tite-Roc with water to a putty like consistency.

### APPLICATION

#### Horizontal Applications

Place the object being set in the hole. Pour some Tite-Roc in the hole and work the object up and down a few times to eliminate any air pockets. Fill the balance of the hole, pouring from one side only to ensure an even flow. In exterior applications, when anchoring iron, continue pouring the mix up the sides of the object creating an "anthill" to prevent water from collecting at the base of the object. Exposed exterior applications must be sealed after fully setting using Umaco Transeal or equivalent.

#### Vertical Applications

Fill the hole with a putty like consistency of Tite-Roc. Tamp the object in place. If the cement becomes fluid and sags out of place, let the material stiffen and reapply. Smooth out the surface area around the object with a trowel or putty knife.

### CURING

Tite-Roc is self-curing. Although Tite-Roc hardens in approximately 15 minutes, do not attach nuts to bolts or anchor equipment for 60 to 90 minutes. Allow more time for heavy machinery and other large installations.

### COVERAGE

100 pounds of Tite-Roc will yield approximately one cubic foot when mixed with water.

### PRECAUTIONS

- Do not use in temperatures below 50 degrees F.
- Keep material stored in a warm and dry place.
- Tite-Roc should not be applied at less than 1/2 inch thick.
- Do not feather-edge.
- Mix with warm water in cold weather applications.
- Do not use in holes where there is evidence of frost.
- Exposed exterior applications must be sealed after fully setting using Umaco Transeal or equivalent.
- Clean tools and mixing containers immediately after use.

### TECHNICAL DATA

Vicat Set Time.....15 minutes

#### Compressive Strength

1 Hour.....5070 psi

24 Hours.....5300 psi

7 Days.....6910 psi

28 Days.....7850 psi

#### Pullout Strength

7/8" bolt in 8" hole.....23,250 lbs. avg.



60 REAR NEWHALL STREET

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**WARNING!**

Do not take internally. If ingested, do not induce vomiting. Get immediate medical attention. Contains Portland cement and Silica sand. May be irritating to the eyes and nose. Prolonged inhalation may cause lung injury. Avoid eye contact or prolonged contact with skin. The use of impervious rubber gloves is recommended when using this product. If large mass is kept in contact with skin while hardening, enough heat may be generated to cause burns. Wash hands thoroughly with water immediately after handling. In case of eye contact, flush with plenty of water for at least fifteen minutes. If irritation persists, consult a physician immediately. Dust mask and eye protection are recommended when using this product. Read Material Safety Data Sheet (MSDS) before using this product which may be obtained from your retailer or by calling 978-453-8881.

24 Hour Emergency Medical/Spill Information (Chemtrec): 800-424-9300

**KEEP OUT OF THE REACH OF CHILDREN!**

**WARNING!** If you scrape, sand or remove old paint, you may release lead dust or fumes. **LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.**

Before you start, find out how to protect yourself and your family by contacting the USEPA National Lead Information Hotline at 1-800-424-LEAD or log onto [www.epa.gov/lead](http://www.epa.gov/lead). Wear a properly fitted respirator and prevent skin contact to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation.

For technical assistance call 978-453-8881

[www.umaco.com](http://www.umaco.com)

**LIMITED WARRANTY**

*The manufacturer guarantees its products to be free of defects and the extent of its liability is limited to the purchase price of the materials only, if proved to be defective. Improper mixing, incorrect application or other factors beyond the control of the manufacturer or its dealers may produce unsatisfactory results and cannot be held to be the manufacturers or its dealers responsibility. There are no other guarantees either expressed or implied.*

03-01-05

- Concrete Patching and Repair Products
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