

# GARONITE™

## Pourable Hydraulic Cement



### DESCRIPTION

**Garonite™** is a specially formulated, finely ground hydraulic cement. In normal use, it expands while setting and will not loosen, shrink or crack under stress, vibration, heat or cold and will cure to strengths far exceeding those of regular concrete. **Garonite™** does not contain metallic filings, calcium chloride or other corrosive agents. **Garonite™** is supplied in ready-to-use form for anchoring and grouting in concrete surfaces.

### USES

**Quickset for Concrete:** **Garonite™** is formulated to produce a quickset when added to Portland cement concrete mixes. Small additions of **Garonite™** added to the mix speeds setting time and contributes to quick strength gain.

### Anchoring and Grouting (Used neat):

Applications include: bolts, fence posts, handrails, parking meters, seats, partitions, screws, dowels, posts, poles, door bucks, door checks, stone facias, loose tiles, electrical boxes, machinery, anchor bolts, posts in walls or sleeves, base plates for heavy duty equipment, core drilling.

### FEATURES AND BENEFITS

*(Used neat)*

#### Fast Set

- Sets rock-hard in minutes
- Saves installation time
- Eliminates the need for wedging
- Vandalism is reduced

#### Pourable

- Easy workability
- Pours in place directly from the can

#### Non shrink

- Locks firmly in place

### PACKAGING

5-gallon pail

### CONCRETE 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

TYPICAL TECHNICAL DATA FOR GARONITE™ Material and Curing Conditions @73°F and 50% R.H.)	
Storage Conditions	Store dry at 40°-95°F. Condition material to 65°-75°F before using.
Initial Set	11 minutes
Final Set	20 minutes
Compressive Strength	5,000 psi (1 hour); 10,000 psi (full cure)
Color	Cement gray
Pounds per cubic foot	87
Expansion	.002 inches per inch
Chlorides %	None

surface can be coated over by sanding down the existing coating.

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

### MIXING:

Before proceeding, read Product Data Sheet (PDS), Material Safety Data Sheet (MSDS) and label instructions.

### Quickset for Concrete:

Always use a clean mixing container. Use only potable water for mixing. Minimum ambient and surface temperatures must be at 45° F and rising at time of application.

Use a high quality Portland cement concrete mix design. Replace approximately 10-20% by weight of the Portland cement in the mix for a set time of approximately ½ - 1 hour.

Add **Garonite™** to the mix just prior to application after all other ingredients have been thoroughly dispersed. Mix for 30 seconds or less, only enough to wet out the **Garonite™**. Avoid over mixing. Do not re-temper once material has started to set, or the mix will be spoiled. Clean mixer after discharging.

### Anchoring and Grouting:

Always use a clean mixing container. Use only potable water for mixing. Minimum ambient and surface temperatures must be at 45° F and rising at time of application. Simply add water.

**Pourable Consistency:** For best results measure accurately. For maximum expansion and fast setting qualities, water should be added at the rate of 3 fl. oz. per lb. of **Garonite**. Mix to a smooth batter consistency.

Mix approximately 1 part clean water to 3 ½ parts **Garonite™** by volume. Mix to a smooth batter consistency, adding water sparingly if needed, only enough water for a good workable mix. After **Garonite™** starts to set, adding more water will spoil it. If too much water is added at first, promptly mix in more **Garonite™** to restore the proper consistency. Do not mix more material than can be applied in 10 minutes.

**Vertical Applications:** Mix **Garonite™** to a putty consistency. For best results measure accurately. Water should be added at the rate of 2.8 fl. oz. per lb. Add only enough water to make the cement form dry lumps. Keep mixing for 1 to 1 1/2 minutes. Small quantities can be kneaded by hand. Wear rubber gloves. Proper consistency is achieved when cement resembles ordinary putty. Mix no more material than can be placed in 10 minutes.

**Placing:** Do not drill holes less than 2 inches in depth. When core drilling, a minimum of 4 inches from the edge of structurally sound concrete is required.

For anchoring ornamental iron and fence posts pour **Garonite™** around the rod or post tamping the rod or post to settle the **Garonite™**. Fill the hole so that it can be tapered up the side of the rod or post, crowning above surface level.

**Garonite™** may be used at temperatures below freezing only when adequate steps have been taken to compensate for the temperature. Always store **Garonite™** at room temperature before use and mix with warm water. Wait until the mix begins to generate heat before placing.

#### **WARNING**

Do not use **Garonite™** for interior or exterior grouting or anchoring of balcony railings or other structures that provide for safety. Do not use **Garonite™** for support of a primary structural member.

Do not use **Garonite™** for core drilling in porous material such as brick, limestone and granite or for anchoring on narrow masonry or concrete walls, handicap areas, barriers or parapet walls, ramps or curbs when exposed to water, moisture or wet conditions.

**Garonite™** could contribute to spalling or cracking of concrete when used in areas where water, moisture or wet conditions exist.

When there is exposure to moisture or water **Garonite™** will erode and/or lose strength. Protect **Garonite™** with a high quality industrial coating after 7 days or use other satisfactory means that isolate and protect **Garonite™** from exposure wherever water, moisture or wet conditions exist.

#### **EXTERIOR APPLICATIONS**

**NOTE: Products suited to exterior use are:**

- **Garonite™ HD** (Complies with Corps of Engineers CRD-C-621) and ASTM C1107S.
- **Tigergrout™ HD**, epoxy grout.

Use **Garonite™ HD** or **Tigergrout™ HD** when installing in areas wherever water, moisture or wet conditions exist.

#### **LIMITATIONS**

The user is responsible for proper application.

**This product is for professional use only.**

**KEEP OUT OF REACH OF CHILDREN.**

Product Item #10402 (5 gal)  
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