



# INSTAROK CEMENT

*All Purpose  
Anchoring Compound*

## 1. Product Description

a. **Basic Use:** Instarok Cement is a dry cement powder which when mixed with water hardens rapidly to a permanent, solid mass that is not affected by moisture, rain or submersion in water. With nearly three times the strength of concrete, Instarok Cement anchors, patches and repairs in one hour or less.

b. **Features/Benefits:**

- Can be poured or troweled.
- Expands slightly as it sets - locks permanently.
- Safe to use without danger of burns or other injury to workers.
- Free from iron - no rust staining.
- Immune to oil, grease and solvents.
- Dries to a light gray color.
- Good for interior or exterior uses.
- No added calcium chloride or corrosive agents.

c. **Typical Applications:** Railings, posts, bolts, poles, parking meters, light machine anchors, cracks, holes, pointing masonry and pipe sleeves.

d. **Limitations:** Do not use Instarok Cement below 40°F (4°C). (Note: When durability is needed for exterior patching, use Thinpave, Thickpave or Speedpave.)

e. **Composition:** Instarok Cement is an expansive hydraulic cement system along with proprietary chemical ingredients.

f. **Color/Appearance:** Similar to concrete.

## 2. Packaging

Instarok Cement is packaged in 10-lb. (4.5 Kg) tubs, 25-lb. (11.3 Kg) pails, 50-lb. (22.7 Kg) pails, and 125-lb. (56.7 Kg) drums.

## 3. Estimating/Yield

<i>Size of Container</i>	<i>Yield</i>
<i>10-lb. (4.5 Kg)</i>	<i>0.10 cu. ft. (0.003 cu. m)</i>
<i>25-lb. (11.3 Kg)</i>	<i>0.25 cu. ft. (0.007 cu. m)</i>
<i>50-lb. (22.7 Kg)</i>	<i>0.50 cu. ft. (0.014 cu. m)</i>
<i>125-lb. drum (56.7 Kg)</i>	<i>1.25 cu. ft. (0.035 cu. m)</i>

## 4. Technical Data

a. **Compressive Strength:** ASTM C 109, 2 in. (50 mm) cubes at 72°F (22°C).

<i>Age</i>	<i>Strength</i>
<i>1 hour</i>	<i>2,000 psi (14 MPa)</i>
<i>1 day</i>	<i>5,000 psi (34 MPa)</i>
<i>3 days</i>	<i>5,500 psi (38 MPa)</i>
<i>7 days</i>	<i>6,000 psi (41 MPa)</i>
<i>28 days</i>	<i>7,000 psi (48 MPa)</i>

b. **Set Times:** ASTM C 191

Initial Set: 30 minutes.

Final Set: 40 minutes.

c. **Tensile Test:** 1/2 in. (12.7 mm) diameter bolt at 1 hour: bolt fracture.

d. **Expansion:** ASTM C 157; +0.10% at 90 minutes.

## 5. Directions for Use

a. **Preparation:** Contact surfaces of concrete or masonry must be clean, sound and textured. Chip or chisel to get to sound concrete. Bolts, anchors, or rails should be clean and free of oil or grease. Blow off any dirt or dust from contact areas with compressed air.

b. **Bonding:** No bonding agent is required. Pre-dampen contact surfaces before Instarok Cement installation.

c. **Mixing:** Mix only as much Instarok Cement as is needed for the job or that can be placed in 15 minutes. Use approximately 3 pints (1.4 liter) of water for each 10 lbs. (4.5 Kg) of Instarok Cement. Mix to a smooth, pourable consistency by hand.

d. **Placing:** Pour Instarok Cement into bolt hole, rail blockout, or annular space around pole.

e. **Curing:** Cover with wet burlap or wet rags for one hour. Cure with one coat of Seal N Kure or Metcure.

f. **Maintenance:** No maintenance is normally needed. Instarok Cement may be sealed or coated with standard concrete products.

## 6. Availability

Instarok Cement is normally available immediately from

your local distributor or it will be shipped within 5 working days upon receipt of order. Please contact your local Metalcrete representative or call Metalcrete directly for more information.

## 7. Warranty

Instarok Cement is manufactured in strict accordance with the quality control standards of Metalcrete Industries. It is guaranteed to perform as indicated on this data sheet when applied by competent applicators.

## 8. Technical Service

Metalcrete technical service representatives are available to provide on-site assistance with a minimum three day notice.



***Metalcrete Industries***

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