



# THE EUCLID CHEMICAL COMPANY

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# K-MENT ANCHORING CEMENT

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**QUICK-SETTING, FLOWABLE GROUT**

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**K-MENT ANCHORING CEMENT** is a fast setting hydraulic cement designed for pourable mixes which will provide positive expansion when used as an anchoring or grouting medium. K-MENT ANCHORING CEMENT sets in less than 45 minutes and rapidly achieves load bearing and bond strength. It does not contain any metallic aggregate or any chloride ions.

### PRIMARY APPLICATIONS

- Anchor bolts
- Hand rails
- Posts
- Stair nosings
- May be mixed with aggregates when placed into voids requiring large amounts of material

### FEATURES / BENEFITS

- Fast and controlled set
- Positive expansion
- High early strengths

### PACKAGING / YIELD

K-Ment anchoring cement is available in 3 package sizes:

- 60 lb (27.2 kg) pail - 0.56 ft<sup>3</sup> (0.016 m<sup>3</sup>) yield
- 50 lb (22.7 kg) bag - 0.48 ft<sup>3</sup> (0.014 m<sup>3</sup>) yield
- 12 lb (5.4 kg) bag - 0.11 ft<sup>3</sup> (0.003 m<sup>3</sup>) yield

### Appearance

K-MENT ANCHORING CEMENT is a free flowing powder designed to be mixed with water. After mixing and placing, the product color may initially appear darker than the surrounding concrete. This color will lighten substantially as the anchoring cement cures and dries out.

### TECHNICAL INFORMATION

#### **Typical Engineering Data**

The following results were developed under laboratory conditions.

- ASTM C-191: Final setting time - 35 to 40 minutes.
- ASTM C-157: Early expansion - 0.04%.

#### **Compressive Strength**

ASTM C-109, 2" (50 mm) cubes 72°F (22°C)

1 hour	1,500 psi (10 MPa)
6 hours	2,000 psi (14 MPa)
7 days	6,000 psi (41 MPa)
28 days	6,500 psi (45 MPa)

**Shelf life** is 2 years in original, unopened package.

### DIRECTIONS FOR USE

**Hole Preparation**-Clean the grout hole with water and compressed air. Roughen the surface of the hole with a stiff wire brush on the end of a drill or with a rotary impact drill.

**Saturation**-Saturate the hole for a minimum of one hour before grouting. Remove all free standing water.

### **Mixing Water Requirements (approximate)\***

<u>Unit Size</u>	<u>Consistency</u>		<u>Optional Aggregate</u>
	<u>Plastic</u>	<u>Flowable</u>	<u>3/8" Pea Gravel</u>
50 lb bag (22.7 kg)	1.50 gal (5.7 liter)	1.75 gal (6.7 liter)	25 lb (11.3 kg)
12 lb bag (5.4 kg)	45 oz (1331 ml)	53 oz (1567 ml)	6 lb (2.7 kg)
3 lb bag (1.4 kg)	11 oz (325 ml)	13 oz (384 ml)	1.5 lb (0.7 kg)

\*Do not mix to a consistency that allows segregation.

**Mixing and Placing**-Mix K-MENT ANCHORING CEMENT with a drill and mixing prop. Add the water first, followed by the aggregate (if used) before adding K-MENT ANCHORING CEMENT. Mix for 2 to 3 minutes to a smooth, lump-free consistency.

When anchoring bolts, posts or rails in concrete or masonry, mix K-MENT ANCHORING CEMENT to a flowable consistency and pour it around the bolt and fill the hole. Crown the cement slightly with a trowel or putty knife as it stiffens. When anchoring on a horizontal surface, mix K-MENT ANCHORING CEMENT to a plastic consistency and fill the predampened, clean hole. Drive the anchor into place and dress up the surface of the cement with a trowel.

**Curing and Sealing**-Cover exposed K-MENT ANCHORING CEMENT with damp rags for 1 to 2 hours. Seal with SUPER REZ-SEAL, SUPER FLOOR COAT or SUPER AQUA-CURE VOX after the K-MENT ANCHORING CEMENT has hardened. Keep ambient temperatures above 40°F (4°C).

#### **CLEAN-UP**

Clean tools and equipment with water before the material hardens.

#### **PRECAUTIONS / LIMITATIONS**

- Place material within 5 minutes due to fast set.
- Do not use under baseplates or for structural anchoring.
- Do not use in constantly damp, wet or submerged areas.
- Use DAM-IT for quick-set grouting in areas continually exposed to moisture.
- Keep grout from freezing until it reaches a minimum strength of 4,000 psi (27.6 MPa).
- Proper curing is required.
- Do not add admixtures or fluidifiers.
- Do not use material at temperatures that may cause premature freezing.
- Store product in a dry place.

Form K-Ment Anchoring Cement-12.97

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