



Anchoring Cement

Waterproof, Pourable Anchoring Cement



Description

Anchoring Cement is a blend of specialty cements, admixtures and proprietary aggregates. This material is designed with expansive compounds to reach final set in 20 minutes and exceed the strength of concrete in one day. As it sets, **Anchoring Cement** uses the expansive compounds to lock in bolts, posts, railings and other fixtures. **Anchoring Cement** is non-corrosive, non-rusting and 100% waterproof.

Uses

Anchoring Cement is suited for a wide variety of applications that include:

- Anchoring of wood or metal sign posts, fence posts, parking meters, dowels and rods
- Setting appliances, machinery, processing equipment and conveyors
- Bridge railings and other fixtures in concrete and masonry

Benefits

- 100% waterproof: will not deteriorate with exposure to water
- Strength: attains higher strength than surrounding concrete
- Security: resists freeze/thaw cycles
- Performance: expands to lock into place
- Consistent: strict Quality Control Testing and standards

Surface Preparation

All surfaces in contact with **Anchoring Cement** shall be free of dirt, oil, grease, laitance and other contaminants. All unsound concrete should be removed to ensure a good bond. The hole to receive **Anchoring Cement** must be cored in sound concrete. The recommended hole diameter is 3 1/4 times the bolt diameter. Always allow sufficient hole diameter so the material will flow readily between the washer and the wall of cavity. Blow or vacuum out all loose particles and dust. Dampen the wall of the substrate to ensure a good bond. Remove any standing water prior to placement.

Physical Properties

Compressive Strength (ASTM C-109*)

SET	1 DAY	3 DAYS	7 DAYS	28 DAYS
A NORMAL	3,000 psi 20.67 MPa	4,500 psi 31.01 MPa	5,300 psi 36.52 MPa	5,700 psi 39.27 MPa

*Notes: 73°F (22.8°C) 55% Humidity
A = 4.5 qts

Rate of Set (ASTM C-266*)

SET	INITIAL	FINAL
A NORMAL	:15	:22

*Note: A = 28 second flow cone method (ASTM C-939)

Height Change - Moist Cure Hardened (ASTM C-1090*)

AGE	% HEIGHT CHANGE
1 DAY	+0.00
3 DAYS	+0.00
7 DAYS	+0.06
28 DAYS	+0.07

Mixing

For best results, use a mechanical mixer with rotating blades. Pre-wet mixer and empty excess water. Place 4 1/2 quarts cool, clean potable water per 50 lb. pail in mixer, then add dry material. Mix on low RPM for a total of 3 to 5 minutes to achieve desired consistency. For vertical applications, mix with just enough water for a putty-like consistency. Mix only enough material that can be placed within working time. Do not blend excess water as this will cause bleeding and segregation. Do not use any other admixtures or additives.

Packaging: 50 lb. pail (22.7 kg.)
36 pails per pallet

Yield: 1 lb. (.43 kg) will fill approximately 14 in³ when 4 1/2 quarts mixing water is used.

03600

GROUTS

Placing

When mixed to a fluid consistency, it is necessary to seal any openings where **Anchoring Cement** may escape. Pour a small amount of **Anchoring Cement** into the hole and work the bolt 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. Fixture should be supported until **Anchoring Cement** reaches final set. Once the work has begun, continue without interruption so the entire area to be grouted is completely filled before the cement begins to set.

Finishing & Curing

Exposed surfaces should be cured with a membrane forming curing compound such as **US Spec Maxcure Resin Clear, Hydrasheen 15% or Hydrasheen 30%**.

Storage

Normal cement storage and handling practices should be observed. Store material in an interior, cool, dry place. Shelf life is one year in original, unopened bags.

Limitations

In addition to limitations already mentioned, please note the following. Do not use as a patching or overlay mortar or in unconfined areas. Normal conditions working time is 10 minutes. Setting time will speed up in hot weather and slow in cold weather. For hot and cold weather applications, contact your US SPEC manufacturer's representative.

Regulatory

Read and follow application information, precautions and Material Safety Data Information.

Right-to-know

This product contains Crystalline Silica (CAS# 14808-60-7) and Portland Cement (CAS# 65997-15-1).

HMIS

Health 1, Fire 0, Reactivity 0

Prop 65

Warning! This product contains Crystalline Silica, a chemical known to the State of California to cause cancer or reproductive toxicity.

VOC Content

0 g/l

Caution

EYE AND SKIN IRRITANT

Contains Portland Cement (CAS# 65997-15-1) Contains Aggregates (CAS# 14808-60-7) Do not allow contact with eyes or skin. Avoid breathing dust - Silica may cause serious lung problems. There is limited evidence Silica is a carcinogen. The use of gloves, goggles, and where appropriate, dust masks and other protective clothing is recommended. If cement or sand particles get into eyes, rinse immediately with clean water and seek prompt medical attention.

Technical Service

US Mix Products Company
112 South Santa Fe Drive
Denver, CO 80223
Phone (303) 778-7227 Fax (303) 722-8426
Web Site: www.usspec.com

NOTICE OF LIMITED WARRANTY US MIX Products Co. (manufacturer) warrants to buyer that this product at the time and place of shipment is of good quality and conforms to the manufacturer's specifications in force on the date of manufacture when used in accordance with the instructions hereon. Manufacturer cannot warrant or guarantee any particular method of use, application or performance of the product under any particular condition. This limited warranty cannot be extended or amended by manufacturer's sales, people, distributors or representatives or by any sales information, specifications of anyone other than the manufacturer. Liability under this warranty is expressly limited to refund of the purchase price.
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