

UNIQUE[®] ANCHOR CEMENT

DATA SHEET UNIQUE[®] Anchor Cement

Product Description

UNIQUE[®] Anchor Cement is a blend of cement, fine silica sand, and performance enhancing additives.

Recommended Uses

Use to anchor appliances, bolts, motors, posts, hooks, handrails, pipes, conduits, parking meters, ornamental iron work, seats, signs and shelving.

Benefits / Features

- Rapidly sets in 20 minutes
- Bonds without bonding agent
- Can be used vertically and horizontally
- Excellent Adhesion
- High early strength
- Sulfate resistant
- Non-shrink/Volume stable
- Does not rust
- Contains no chlorides
- For interior and exterior use
- Alumina enriched cement based to resist corrosion

Limitations

Not intended for applications on unsound concrete or like surfaces. Mix only enough for immediate use, because **UNIQUE** Anchor Cement sets in 20 minutes and cannot be reworked once it has set.

Surface Determination

The surface area should be in solid condition.

Surface Preparation

Use a masonry core drill or chisel to create a hole in the concrete. The hole should be at least 1 inch larger than the size of bolt or railing. The hole should be at least 2-4 inches deep. Increasing embedment depth will increase pullout strength. Remove all loose concrete and debris from the hole. Wet the repair area with water leaving it Saturated Surface Dry (SSD) during the repair. Any standing water should be removed.

For Best Results

For best results the water temperature should be between 55°F and 75°F.

- Warmer water will accelerate the set of material
- Cooler water will slow the set of the material

Mixing

Organize work so all personnel and equipment is in place before mixing. Roll or shake the sealed pail of **UNIQUE** Anchor Cement to ensure the product is thoroughly mixed prior to use. Use clean, potable water.

For vertical applications mix **UNIQUE** Anchor Cement to a stiff, non-sag consistency using cement to water ratios below:

Water	UNIQUE [®] Anchor Cement
25 oz.	10#
50 oz.	20#
3.9 qt. (125 oz.)	50#

For horizontal applications mix **UNIQUE** Anchor Cement to a flowable consistency using cement to water ratios below:

Water	UNIQUE [®] Anchor Cement
32 oz.	10#
64 oz.	20#
4.95 qt. (158 oz.)	50#

Use less water to achieve higher strengths. Do not exceed the recommended water per pounds of material. Place the desired quantity of water into the mixing container. Add **UNIQUE** Anchor Cement and mix for the minimum amount of time required to achieve a lump-free, uniform consistency (usually 1 to 3 minutes). Do NOT re-temper. Do not mix more material than can be placed in a 20 minute period.

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UNIQUE Paving Materials Corp.
3993 East 93rd Street Cleveland, OH 44105
800-441-4880 www.uniquepavingmaterials.com



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Placement

Make sure surface is SSD and any standing water has been removed.

For vertical applications apply and tamp the non-sag mix in place ensuring no voids exist.

For horizontal applications pour the flowable mixture in the hole.

Place the anchor in the prepared hole. Provide support for the anchor if needed then fill with the properly mixed **UNIQUE** Anchor Cement. Do not disturb the anchor until such time as the **UNIQUE** Anchor Cement has developed sufficient strength. Adjusting or disturbing the anchor too soon can result in cracking.

Coverage

10# of **UNIQUE** Anchor Cement covers approximately 0.88 square feet per 1 inch thick.

Clean up

Water soluble prior to drying. Clean container and tools prior to material drying.

Packaging

Item #	Description	
52-00036	UNIQUE® Anchor Cement Pail 1-gal (10#)	120 - 10# pails per stretch wrapped pallet 3360 - 10# pails per truckload
52-00037	UNIQUE® Anchor Cement Pail 2-gal (20#)	60 - 20# pails per stretch wrapped pallet 1680 - 20 # pails per truckload
52-00011	UNIQUE® Anchor Cement Pail 5-gal (50#)	36 - 50# pails per stretch wrapped pallet 828 - 50# pails per truckload

Truckload quantities are typical but may vary depending on destination, truck tare weight and/or trailer type (box van, flat bed, rail shipments or ocean freight container).

Caution:

This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive problems. THIS PRODUCT CONTAINS FREE SILICA. Any inhalation of dust may be harmful to your health. Excessive inhalation causes the risk of serious respiratory disease (SILICOSIS) and susceptibility to other possibly fatal disease. Some medical studies suggest a possible association between crystalline silica and incidence of cancer in humans. Take appropriate protective measure to avoid breathing dust. Use a NIOSH approved respirator for silica dust. For further information, please refer to the Safety Data Sheet. Injurious to eyes and causes skin irritation. Contains Portland Cement and Lime. Avoid eye

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Curing

Damp cure all installations. Begin curing as soon as the surface has lost its moist sheen. Keep exposed surfaces wet for a minimum of 1 hour. When experiencing extended setting times due to cold temperature or the use of retarder, longer cure times may be required. The objective of damp curing shall be to maintain the continuously wet surface until the product has achieved sufficient strength.

Temperature

Warm environmental and materials temperatures will reduce the working time of **UNIQUE** Anchor Cement. To compensate for warm temperatures, keep material cool and use chilled water. Temperatures below 60°F will decrease the rate of strength gain. **UNIQUE** Anchor Cement should not be applied if surface temperature is below 45°F or above 90°F.

Shelf Life

Two years if stored in an unopened pail according to ACI Guidelines.

Freight

Class 55

UNIQUE® ANCHOR — CEMENT

contact or prolonged contact with skin. Wash thoroughly after handling. In case of eye contact, flush with plenty of water for at least 15 minutes. Consult a physician immediately if irritation persists. Keep out of reach of children. Do not take internally.

Limited Warranty:

UNIQUE Paving Materials Corporation (UNIQUE) warrants that at the time and place we make shipment our materials will be of good quality and will conform with our published specifications in force on the date of acceptance of the order. THE FOREGOING WARRANTY SHALL BE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTY, EXPRESSED OR IMPLIED. WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER WARRANTIES OTHERWISE ARISING BY OPERATION OF LAW, COURSE OF DEALING, CUSTOM OR TRADE OR OTHERWISE ARE SPECIFICALLY DISCLAIMED. As the exclusive remedy for breach of this warranty, we will replace defective materials, provided, however, that the buyer examines the material when received and promptly notifies us in writing of any defect before the materials are used or incorporated into structure. Three (3) months after UNIQUE has shipped the materials, all our warranty and other duties with respect to the quality of the materials delivered shall conclusively be presumed to have been satisfied, all liability therefor terminates, and no action for breach of any duties may thereafter be commenced. UNIQUE shall in no event be liable for consequential damages. No warranty is made with respect to materials not manufactured by UNIQUE.

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