

TECHNICAL DATA SHEET

DESCRIPTION

Fast setting, shrinking compensated anchoring cement. Pourable and fast setting, Anchoring Cement provides a durable high strength anchor for interior and exterior applications.

USE

Use for anchoring bolts, rails, posts and dowels into concrete where a non-shrink, rapid-setting anchoring cement is required.

FEATURES

- Sets in 15-20 minutes
- Controlled expansion mechanically locks in
- Pourable; fills voids and crevices
- Use interior or exterior

PROPERTIES

Compressive Strength (ASTM C-109):

1 hour 1000 psi (6.9 MPa)

24 hours 4500 psi (31 MPa)

7 days 6000 psi (41.3 MPa)

28 days 7,500 psi (51.7 MPa)

Setting Time (neat) 15-20 minutes

Note:

The data shown is typical for controlled laboratory conditions. Reasonable variation from these results can be expected due to interlaboratory precision and bias. When testing the field mixed material, other factors such as variations in mixing, water content, temperature and curing conditions should be considered.

Estimating Guide

Yield: 0.43 cu. ft. (0.012 cu. m)/50 lb. (22.7 kg)

Packaging

PRODUCT CODE	PACKAGE	SIZE	
		lbs	kg
307974	Pail	50	22.67

STORAGE

Shelf life of unopened bags, when stored in a dry facility, is 12 months. Excessive temperature differential and/or high humidity can shorten the shelf life expectancy. Store in a cool, dry area free of direct sunlight.

APPLICATION

Surface Preparation:

The concrete surface must be sound and free of all foreign material, including oil, grease, dust, laitance, or other surface contaminants.

Anchors should have a washer for greater pull out strengths and the washers should be sized to fit within the drilled hole, but not touch edges or bottom of the holes to allow material to flow around the washer and lock anchor into place. Fill the hole with water and scrub sides and bottom with stiff brush just prior to placing. Remove all standing water, but ensure the substrate is damp prior to application of Anchoring Cement.

Water Requirements:

Mixing ratio: 6.75 pints (3.19 L) /50 lbs. (22.7 kg) of powder or 1:7 water to powder by weight.

Mixing:

Mix with low speed drill and paddle mixer in a suitable container. DO NOT mix more than three minutes. Mix only what can be used in five to ten minutes. Add water first, and then add the powder. DO NOT over mix or retemper. By using less water than noted (never use more water), this material can be varied to produce a stiff to pourable consistency.

Placement:

Ensure all standing water has been removed from the hole. Place anchor in prepared hole then fill with the properly mixed Anchoring Cement. For horizontal applications, pour the flowable mixture in the hole. For vertical applications, mix to a stiff, not sag consistency and tamp the material in place ensuring no voids exist. Provide support for the anchor if needed. Do not disturb anchor until such time as the Anchoring Cement has developed sufficient strength. Adjusting or disturbing the anchor too soon can result in cracking.

CLEAN UP

Use clean water. Hardened material will require mechanical removal methods.

CURING

Adequate curing is important, especially during windy, hot and dry conditions. A wet burlap cure or Dayton Superior water based curing compound or a cure & seal is recommended.

LIMITATIONS

FOR PROFESSIONAL USE ONLY

Not for use for anchoring aluminum DO NOT place at temperatures below 40°F(5°C) or if the temperature is expected to fall below 40°F(5°C) in the next twenty-four hour period. DO NOT place when temperature exceeds 90°F (32.2°C). Do not re-temper after initial mixing. Do not add other cements or additives. Setting time will slow during cooler weather and speed up during hot weather. Prepackaged material segregates while in the bag, thus when mixing less than a full bag it is recommended to first agitate the bag to assure it is blended prior to sampling.

TECHNICAL DATA SHEET**PRECAUTIONS****READ SDS PRIOR TO USING PRODUCT**

- Keep material and containers away from high heat, open flames, sparks or other sources of ignition
- Use with adequate ventilation
- Wear protective clothing, gloves and eye protection (goggles, safety glasses and/or face shield)
- Keep out of the reach of children
- Do not take internally
- In case of ingestion, seek medical help immediately
- May cause skin irritation upon contact, especially prolonged or repeated. If skin contact occurs, wash immediately with soap and water and seek medical help as needed.
- If eye contact occurs, flush immediately with clean water and seek medical help as needed
- Dispose of waste material in accordance with federal, state and local requirements

MANUFACTURER

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WARRANTY

Dayton Superior Corporation ("Dayton") warrants for 12 months from the date of manufacture or for the duration of the published product shelf life, whichever is less, that at the time of shipment by Dayton, the product is free of manufacturing defects and conforms to Dayton's product properties in force on the date of acceptance by Dayton of the order. Dayton shall only be liable under this warranty if the product has been applied, used, and stored in accordance with Dayton's instructions, especially surface preparation and installation, in force on the date of acceptance by Dayton of the order. The purchaser must examine the product when received and promptly notify Dayton in writing of any non-conformity before the product is used and no later than 30 days after such non-conformity is first discovered. If Dayton, in its sole discretion, determines that the product breached the above warranty, it will, in its sole discretion, replace the non-conforming product, refund the purchase price or issue a credit in the amount of the purchase price. This is the sole and exclusive remedy for breach of this warranty. Only a Dayton officer is authorized to modify this warranty. The information in this data sheet supersedes all other sales information received by the customer during the sales process. THE FOREGOING WARRANTY SHALL BE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND ALL OTHER WARRANTIES OTHERWISE ARISING BY OPERATION OF LAW, COURSE OF DEALING, CUSTOM, TRADE OR OTHERWISE.

Dayton shall not be liable in contract or in tort (including, without limitation, negligence, strict liability or otherwise) for loss of sales, revenues or profits; cost of capital or funds; business interruption or cost of downtime, loss of use, damage to or loss of use of other property (real or personal); failure to realize expected savings; frustration of economic or business expectations; claims by third parties (other than for bodily injury), or economic losses of any kind; or for any special, incidental, indirect, consequential, punitive or exemplary damages arising in any way out of the performance of, or failure to perform, its obligations under any contract for sale of product, even if Dayton could foresee or has been advised of the possibility of such damages. The Parties expressly agree that these limitations on damages are allocations of risk constituting, in part, the consideration for this contract, and also that such limitations shall survive the determination of any court of competent jurisdiction that any remedy provided in these terms or available at law fails of its essential purpose.