

Anchortite is used for grouting high strength anchor bolts, starter bars in concrete and anchors in rock. Suggested applications for Anchortite include light and heavy rail track anchoring, setting of highway lighting standards, anchoring of precast median barriers and signs on highways. Handrails, guardrails and pipe protection stands around safety areas are excellent applications for Anchortite.

Advantages

- Economical – small amounts may be field mixed
- Fast setting, pot life as little as 5 minutes
- High strength
- Resistant to attack by many chemicals

Compressive Strength, ASTM C-109

- Fives times pot life @ 75°F / 10,000 psi (69.0 MPa)
- 7 days @ 75°F / 14,000 psi (96.5 MPa)

Tensile Strength, ASTM C-307

- Fives times pot life @ 75°F / 1,400 psi (9.7 MPa)
- 7 days @ 75°F / 2,000 psi (13.8 MPa)

Heat Distortion, ASTM D-648

- Temperature 212°F (100°C)
- Coefficient of Linear Expansion 2.55×10^{-5}

Description

Anchortite is a two-part, fast setting, free flowing polyester resin anchoring grout, consisting of a specially formulated liquid resin and hardener. It is designed specifically for anchoring bolts and dowels in concrete, rock, brick and masonry. Always perform pull out testing to determine the performance in each situation. Anchortite resists oil, grease, fats, mild acids, and alkalies, fresh and salt water. Where exposure to a specific chemical is anticipated, consult Minova directly.

Instructions for Use

For industrial use only. Refer to MSDS for Health, Regulatory, and Safety information before use.

Anchor bolt holes should be drilled using air or water flushed rotary percussive drilling equipment. If diamond core or non-percussive drills are used, the hole must be thoroughly scoured using a coarse wire flue brush. Anchor bolt holes less than 36" deep should not be more than 1/2" larger in diameter than the diameter of the anchor bolts. Anchor bolts longer than 36" can have a hole diameter 3/4" larger than the bolt diameter. Minova Lokset® Resin Cartridges may be considered for long bolt application.

To obtain the proper consistency, the correct ratio of filler/hardener-to-resin must be used. The ratio is two parts of filler/hardener to one part resin by volume. Place a measured volume of resin into a clean container, then gradually add the hardener to the resin, stirring constantly to obtain a uniform consistency.

Place Anchortite into prepared hole such that little or no air is trapped. After placing Anchortite in the hole, insert the bolt or bar. Insert the hardware with a twisting action for maximum contact between the resin compound and anchor.

CAUTION: DO NOT add other materials to Anchortite. DO NOT mix more grout than can be applied within the pot life of the material.

Characteristics

- Unit Yield: .3 cubic feet (.009 M3)
- Unit Weight: 36 pounds (16.4 kg)
- Color: Gray

Shelf Life

Anchortite has a shelf life of 6 months if stored in unopened containers under recommended conditions. Unused quantities of resin and filler/hardener may be tightly resealed and stored in a cool (60°F - 80°F) dry place.

Packaging

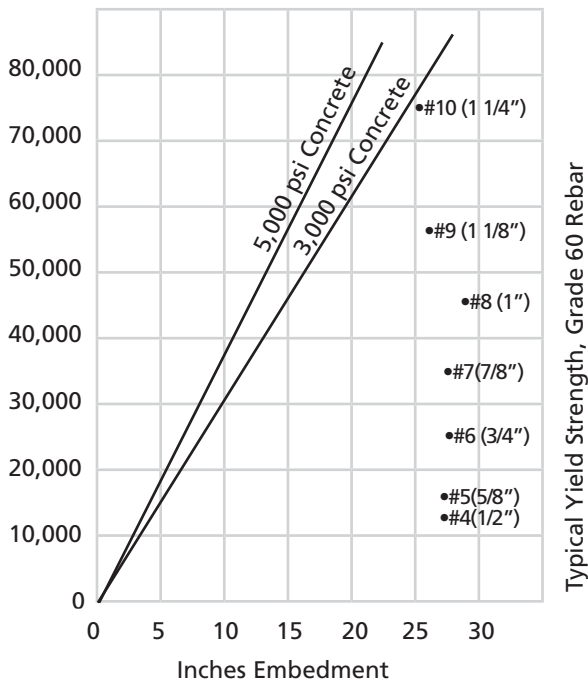
A standard unit of Anchortite contains:

- 1 gallon can resin – 9 pounds (4.1kg)
- 1 bag filler/hardener –27 pounds (12.3 kg)

Anchortite - SLOW AND FAST

		Ratios		Pot Life in Minutes				
Specify Resin Speed When Ordering	Consistency	Filler to Resin by Volume	Filler to Resin by Weight	30°F (-1°C)	45°F (7°C)	60°F (15.5°C)	75°F (24°C)	90°F (32°C)
Slow	Pourable	2:1	3:1	206 (not recommended)	130	60	30	15
Fast	Pourable	2:1	3:1	45	25	12	7	3

Polyester Resin Anchor Pull-Out Strength Chart (Typical) For Use With Anchortite



On-site tests should be carried out to verify anchorage performance of various steel components used with Anchortite. The chart to the left represents typical anchorages with Grade 60 rebar in 3,000 and 5,000 pound concrete (un-reinforced), for threaded and deformed 1/2" to 1- 1/4" diameter bars anchored into concrete.