

SAKRETE RAPID SETTING ANCHORING EPOXY

SAKRETE Rapid Setting Anchoring Epoxy is a two-component epoxy compound used to anchor bolts or other metal objects in concrete and masonry. It is a rapid setting material that can be used in vertical or horizontal applications. This product's rapid set allows for its use in walls with minimal run-out.

FEATURES

- Fast cure epoxy
- Exceptionally strong and hard once cured
- Solvent-free with no volatile components
- Will not shrink upon curing
- Ready-to-use

USES

- Anchoring and bonding applications
- Grouting dowel bars for concrete repairs
- Bonding to hardened concrete
- Filling holes, pits and cracks

PROCEDURES

Surface Preparation:

1. To achieve optimum performance, surfaces and holes should be dust-free and cleaned of all surface contaminants such as grease, oil, water or dirt.
2. Scuffing, wire brushing or sanding the surface prior to cleaning helps insure a good bond. Care should be taken to remove all loose debris from the drilled hole using a suitable blower or vacuum before applying.

Application:

1. For best results, use a caulking gun with a minimum 12:1 mechanical power. Inexpensive guns will not push the material through the nozzle.
2. Load the cartridge assembly into a caulking gun.
3. Unscrew the cartridge cap and remove the nozzle plug.
4. Attach the static mixer nozzle. Dispense mixed paste to waste until an uniform colour is achieved (at least 5 mL) and then directly onto the work surface or into the pre-cleaned hole.
5. When filling holes, start from the back; be careful not to leave any air pockets or voids while filling. Use the mixed paste within 20 minutes or insert the bolt into the filled hole within 5 minutes of application.

CURING

1. Cure time to ultimate strength is 10 hours at 24°C (75°F) and 8 hours at 43°C (110°F).
2. Actual cure time is affected by temperature and product amount used: higher temperatures and larger volumes of material used cure faster.

TECHNICAL DATA

Uncured Properties	Results
Form	Two-part paste
VOC Content	0 g/L
Density	1.17 g/cm ³ (9.8 lb/US gallon)
Mix ration, case to curing agent	1:1
Working time at 24°C (75°F)	16 minutes
Working time at 43°C (100°F)	8 minutes

Compressive Strength

69 MPa (10,000 psi)

Compressive Modulus

2.7 GPa (400,000 psi)

Pullout Strength

1.6 cm thread rod, 14.3 cm deep
5/8" threaded rod, 5 5/8" deep

ASTM E 488

24 Hours 148 MPa (21,500 psi)

COLOUR

Grey

YIELD

255 mL (8.6 oz) tube yields:

- 6 holes when anchor diameter is 1.6 cm (5/8"), hole diameter is 1.9 cm (3/4") and hole depth is 14.3 cm (5 5/8")
- 11 holes when anchor diameter is 1.3 cm (1/2"), hole diameter is 1.6 cm (5/8") and hole depth is 11.7 cm (4 5/8")
- 22 holes when anchor diameter is 1.0 cm (3/8"), hole diameter is 1.3 cm (1/2") and hole depth is 9.0 cm (3 1/2")

NOTE: Hole diameter should be 0.3 cm (1/8") larger than the anchor diameter and the hole depth should be a minimum of 9 times the anchor diameter.

PACKAGING

255 mL (8.6 oz) tube

UPC

7 6466100221 5

PRECAUTIONS

- Application temperatures range should be between 4°C (40°F) and 43°C (110°F). When ambient temperature falls below 21°C (70°F), condition the adhesive to 21°C (70°F)-24°C (75°F).
- Does not adhere to PTFE, polyethylene, or polypropylene.
- For anchoring applications, concrete should be a minimum of 21 days old prior to anchor installation.
- Not recommended for any application where there may be a sustained tensile load, including overhead applications.

NOTE: Proper application and installation of all SAKRETE products are the responsibility of the end user.

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SAFETY

READ and UNDERSTAND the Safety Data Sheet (SDS) before using this product.

WARNING: Wear protective clothing and equipment. For emergency information, call CHEMTREC at 800-424-9300 or 703-527-3887 (outside USA). KEEP OUT OF REACH OF CHILDREN.

WEBSITE

For more information and other projects, visit us at www.king-products.com or call us at 866-725-7383.

SAKRETE Limited Product Warranty: The manufacturer warrants that this product shall be of merchantable quality when used or applied in accordance with the manufacturer's instructions. This product is not warranted as suitable for any purpose other than the general purpose for which it is intended. This warranty runs for one (1) year from the dates the product is purchased. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED TO THE DURATION OF THIS WARRANTY. Liability under this warranty is limited to replacement or defective products or, at the manufacturer's option, refund of the purchase price. CONSEQUENTIAL AND INCIDENTAL DAMAGES ARE NOT RECOVERABLE UNDER THIS WARRANTY.

KING Warranty: This product is designed to meet the performance specifications outlined in this product data sheet. If the product is used in conditions for which it was not intended, or applied in a manner contrary to the written recommendations contained in the product data sheet, the product may not reach such performance specifications. The foregoing is in lieu of any other warranties, representations or conditions, expressed or implied, including, but not limited to, implied warranties or conditions of merchantable quality or fitness for particular purposes, and those arising by statute or otherwise in law or from a course of dealing or usage of trade. [REV.0004_12/12/16]

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KING PACKAGED MATERIALS COMPANY

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Burlington Office
3385 Harvester Rd.,
Burlington, ON
L7N 3N2

Montreal Office
3825 rue Alfred-Laliberté,
Boisbriand, QC
J7H 1P7

Brantford Office
541 Oak Park Rd.,
Brantford, ON
N3T 5L8

Sudbury Office
644 Simmons Rd.,
Dowling, ON
P0M 1R0