•TRUSTED QUALITY SINCE 1921•
RUST-OLEUM®
CONCRETE SAVER® PRO

ANCHORING ADHESIVE

DESCRIPTION AND USES

Concrete Saver Pro Anchoring Adhesive is a two-component, 1:1 mix ratio by weight and by volume, structural anchoring epoxy system offering exceptional strength in anchoring and doweling applications. Cartridge packaging allows injection into cracks and holes.

Anchoring Adhesive is suitable for anchoring threaded rods, bolts and rebar dowels into uncracked concrete, grouting dowel bars and tie bars for full depth concrete pavement repairs, and as a bonding agent for fresh to hardened concrete, and hardened to hardened concrete.

PRODUCT FEATURES AND BENEFITS

- Easily dispensable from most caulking guns
- Little to no odor
- High modulus

PRODUCT

SKU	DESCRIPTION
392526	Anchoring Adhesive Component A (resin) - White Component B (hardener) - Dark Gray

PACKAGING

The two components are packaged in a single 9-ounce size, dual component cartridge. The cartridge comes with one static mixer nozzle. Additional static mixer nozzles can be purchased separately.

The Rust-Oleum Heavy Duty Caulk Gun has a 26:1 ratio and will dispense material between 900 and 950 lbs. of force, making it easier to apply Anchoring Adhesive.

COMPANION PRODUCTS

DESCRIPTION	SKU
Heavy Duty Caulk Gun (26:1 ratio)	261292
Replacement Static Mixer Nozzle (3 per pack)	257397

PRODUCT APPLICATION

SURFACE PREPARATION

New concrete must cure 28 days at 70°F (21°C) before repairs are made. Remove all dirt, grease, oil, salt, or other contaminants by washing surface with Krud Kutter® PRO Cleaner Degreaser, commercial detergent or other suitable cleaner. Rinse thoroughly with fresh, clean water. Remove all loose, unsound, or deteriorated concrete.

Traditional Drilling Method for dry and damp concrete - Using a rotary hammer drill, and a bit which conforms to ANSI B212.15 and is the appropriate size for the anchor diameter to be installed, drill the hole to the specified embedment depth.

PRODUCT APPLICATION (cont.)

SURFACE PREPARATION (cont.)

CAUTION: Always wear appropriate personal protection equipment (PPE) for eyes, ears and skin and avoid inhalation of dust during the drilling and cleaning process.

NOTE: Remove any standing water from hole prior to beginning the cleaning process. Using oil free compressed air with a minimum pressure of 80 psi (5.5 bar), insert the air wand to the bottom of the drilled hole and blow out the debris with an up/down motion for a minimum of 4 seconds each cycle (4X).

Select the correct wire brush size for the drilled hole diameter making sure that the brush is long enough to reach the bottom of the drilled hole. Reaching the bottom of the hole, brush in an up/down and twisting motion for 4 cycles (4X).

CAUTION: The brush should contact the walls of the hole. If it does not, the brush is either too worn or small and should be replaced with a new brush of the correct diameter. Blow the hole out once more to remove brush debris using oil free compressed air with a minimum pressure of 80 psi (5.5 bar). Insert the air wand to the bottom of the drilled hole and blow out the debris with an up/down motion for a minimum of 4 seconds/cycles (4X). Visually inspect the hole to confirm it is clean.

NOTE: If installation will be delayed for any reason, cover cleaned holes to prevent contamination.

Use as an adhesive or repair - Smooth concrete surfaces should be sanded or wire brushed to provide a surface profile. For best results, cracks should be chased by grinder using a tuck point blade.

MIXING

CAUTION: Check the expiration date on the cartridge to ensure it is not expired. **Do not use expired product!** Remove the protective cap from the adhesive cartridge and insert the cartridge into the recommended dispensing tool. Before attaching mixing nozzle to the cartridge, it is necessary to balance the cartridge by dispensing a small amount of material until both components are flowing evenly. For a cleaner environment, hand mix the two waste components and let cure prior to disposal in accordance with local regulations.

After the cartridge has been prepared, screw on the static mixer nozzle. Confirm that internal mixing element is in place prior to dispensing the adhesive. Take note of the air and base material temperatures and review the working/full cure time chart prior to starting the injection process.

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PRODUCT APPLICATION (cont.)

MIXING (cont.)

Dispense the initial amount of material from the mixing nozzle onto a disposable surface until the product is a uniform gray color with no streaks, as adhesive must be properly mixed in order to perform as published. Dispose of the initial amount of adhesive according to local regulations prior to injection into the drill hole.

CAUTION: When changing cartridges, never re-use nozzles. A new nozzle should be used with each new cartridge and mixing steps should be repeated accordingly.

APPLICATION

Apply only when air and surface temperatures are between 40-110°F (4-43°C). When ambient or base material temperature falls below 70°F (21°C), condition the adhesive to 70-75°F (21-24°C) prior to use. Colder material will require more effort to disperse material from the cartridge. Insert the mixing nozzle to the bottom of the hole and fill from the bottom to the top approximately two-thirds full, being careful not to withdraw the nozzle too quickly as this may trap air in the adhesive. Use extension tubing as necessary to ensure that adhesive is injected at the bottom of the hole first.

Do not disturb, torque, or apply any load to the installed anchor until the specified full cure time has passed. The amount of time needed to reach full cure is base material temperature and moisture dependent.

Prior to inserting the threaded rod or rebar into the hole, make sure it is clean and free of oil and dirt and that the necessary embedment depth is marked on the anchor element. Insert the anchor element into the hole while turning 1-2 rotations prior to the anchor reaching the bottom of the hole. Excess adhesive should be visible on all sides of the fully installed anchor. For horizontal installations, wedges should be used to center and support the anchor while the adhesive is curing.

CAUTION: Use extra care with deep embedment or high temperature installations to ensure that the working time has not elapsed prior to the anchor being fully installed.

NOTE: The two-component configuration of the cartridge results with total plunger travel to be only ½ the length of the cartridge to fully empty.

CLEAN-UP

Use xylene.

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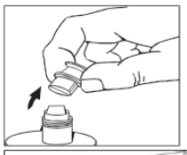
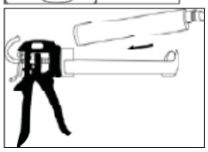
MIXING - ILLUSTRATION

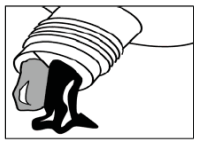
Unscrew plastic cap and remove plug from threaded end of cartridge. Save cap and plug to reseal if the entire cartridge is not used.



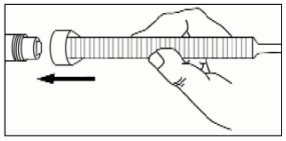
Place cartridge into a 10 oz. caulking gun. Rust-Oleum # 257396 Heavy-Duty Caulk Gun is recommended.



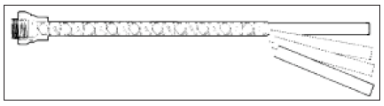
Dispense a small amount of adhesive into a disposable container until both materials are flowing evenly from the cartridge.



Attach mixing nozzle to the cartridge and dispense a small amount of material into the same disposable container until a consistent color, with no streaks is obtained.



Cut off the end of the nozzle for the desired flow rate.



PERFORMANCE CHARACTERISTICS

PROPERTY	RESULT
Working Time/Pot Life	20 minutes @ 75°F
Tack Free Cure Time	24 hours @ 75°F
Consistency ASTM C881	Non-sag
Gel Time ASTM C881	22 minutes @ 75°F
Bond Strength ASTM C882	2 days: 3,470 psi (23.9 MPa) 14 days: 3,670 psi (25.3 MPa)
Water Absorption ASTM D570	14 Day: 0.2%
Heat Deflection Temperature ASTM D648	132°F (55.6°C)
Linear Coefficient of Shrinkage ASTM D2566	0.0001%
Compressive Yield ASTM D695	7 days: 12,850 psi (88.6 MPa)
Compressive Modulus ASTM D695	7 days: 506,300 psi (3,491 MPa)
Tensile Strength ASTM D638	7 days: 4,590 psi (31.6 MPa)
Elongation at Break ASTM D638	0.9%
Mix Ratio	1:1
Shelf Life	2 years