

LIQUID ROC® 200



10 Oz. Single Tube



28 Oz. Twin Tube

AVAILABLE MATERIALS

- Twin/Single Tube-hybrid urethane resin base, benzoyl peroxide hardener
- Square cut rods-A307 steel, zinc plated. Other sizes, materials and finishes available

FEATURES/ADVANTAGES

- Multi temperature formulation is suitable for use down to 23°F (-5°C)
- Fast cure time even at the coldest temperatures
- Styrene free formula is low odor and VOC free
- Ideal for bonding a wide variety of material to concrete
- In service temperatures of up to 320°F (160°C).
- Extremely high chemical resistance.
- Certified for drinking water applications to NSF Standard 61.
- Nozzle provided for dispensing

CURE TIME

Concrete Temperature	Gel Time	Cure Time
23° F	50 minutes	5 hours
32° F	25 minutes	3-1/2 hours
50° F	10 minutes	1 hour
86° F	3 minutes	30 minutes

APPROVALS/LISTINGS

- ACI 318 Category 1 for cracked concrete
- ICC ESR - 4252
- Contact customer service for approvals / listings for state DOT's

CONSIDERATIONS

- 18 month shelf life



ORDER DETAIL

Order Number	Description	Size	Quantity
7900010	Single Tube	10 oz.	12
7900028	Twin Tube	28 oz.	8

LOAD AND PERFORMANCE DATA

Anchor Size	3/8"	1/2"	5/8"	3/4"	7/8"	1"	1 1/4"							
Effective emb.	2 3/8"	7 1/2"	2 3/4"	10"	3 1/8"	12 1/2"	3 1/2"	15"	3 1/2"	17 1/2"	4"	20"	5"	25"
Characteristic Tension - Cracked														
2500 psi	2,022 lbs	6,968 lbs	2,520 lbs	11,946 lbs	3,052 lbs	19,479 lbs	3,618 lbs	31,313 lbs	3,618 lbs	40,447 lbs	4,420 lbs	49,417 lbs	6,177 lbs	69,063 lbs
4000 psi	2,313 lbs	7,266 lbs	3,187 lbs	12,521 lbs	3,861 lbs	20,416 lbs	4,576 lbs	31,313 lbs	4,576 lbs	43,313 lbs	5,591 lbs	56,813 lbs	7,814 lbs	84,241 lbs
6500 psi	2,428 lbs	7,266 lbs	3,615 lbs	13,144 lbs	4,921 lbs	21,188 lbs	5,833 lbs	31,313 lbs	5,833 lbs	43,313 lbs	7,127 lbs	56,813 lbs	9,960 lbs	88,432 lbs
Characteristic Tension - Uncracked														
2500 psi	2,855 lbs	7,266 lbs	3,557 lbs	13,303 lbs	4,309 lbs	21,188 lbs	5,107 lbs	31,313 lbs	5,107 lbs	43,313 lbs	6,240 lbs	56,813 lbs	8,721 lbs	90,844 lbs
4000 psi	3,611 lbs	7,266 lbs	4,499 lbs	13,303 lbs	5,450 lbs	21,188 lbs	6,460 lbs	31,313 lbs	6,460 lbs	43,313 lbs	7,893 lbs	56,813 lbs	11,031 lbs	90,844 lbs
6500 psi	4,603 lbs	7,266 lbs	5,736 lbs	13,303 lbs	6,948 lbs	21,188 lbs	8,235 lbs	31,313 lbs	8,235 lbs	43,313 lbs	10,062 lbs	56,813 lbs	14,062 lbs	90,844 lbs
Characteristic Shear														
Effective emb.	3 1/2"	4 1/2"	5"	6 1/2"	8"	10"	11"							
2500 psi	3,149 lbs	6,916 lbs	9,208 lbs	14,233 lbs	19,900 lbs	28,400 lbs	32,791 lbs							
4000 psi	3,149 lbs	6,916 lbs	11,018 lbs	16,305 lbs	22,506 lbs	29,526 lbs	41,478 lbs							

The above loads are based on a temperature range of max short term 104°F & max long term 75°F, hammer drilled holes that are dry, supplemental reinforcement present and for a single anchor design. No reductions have been taken for edge distance or anchor spacing. Verify that strength of the steel used is capable of supporting the desired load for each application.

LIQUID ROC[®] 200

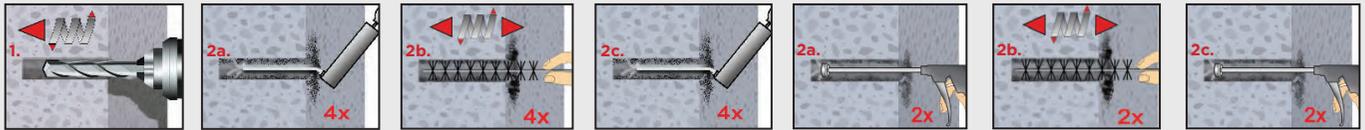
USAGE INSTRUCTIONS - CONCRETE

MAC: Cleaning for hole diameter dO 3/4" and hole depth hO 10dS (uncracked concrete only!)

1. Hammer drill a hole into the base material to the diameter and embedment depth required by the selected anchor.
- 2a. Starting from the bottom or the back of the drilled hole, blow the hole clean by a hand pump a minimum of four times
- 2b. Check the brush diameter. Brush the hole with an appropriate sized wire brush > db, min a minimum of four times in a twisting motion. If the bottom of the drilled hole is not reached with the brush, a brush extension must be used.
- 2c. Finally blow the hole clean again with a hand pump a minimum of four times.

CAC: Cleaning for all hole diameter in uncracked and cracked concrete

- 2a. Starting from the bottom or back of the hole, blow the hole clean with compressed air (min. 90 psi) a minimum of two times until return air stream is free of noticeable dust. If the bottom of the drilled hole is not reached an extension must be used.
- 2b. Check the brush diameter. Brush the hole with an appropriate sized wire brush > db, min a minimum of two times in a twisting motion. If the bottom of the drilled hole is not reached with the brush, a brush extension must be used.
- 2c. Finally blow the hole clean again with compressed air (min. 90 psi) a minimum of two times until return air stream is free of noticeable dust. If the bottom of the drilled hole is not reached an extension must be used.



After cleaning, the hole has to be protected against re-contamination in an appropriate way, until dispensing the adhesive in the hole. If necessary, the cleaning has to be repeated directly before dispensing the adhesive. In water-filled hole applications, the water must not be allowed to re-enter the hole.



7500100
Caulking Gun for 10 oz. Single Tube

7521019
Replacement Nozzle for 10 oz. Single Tube

7521035
Mixer Replacement Nozzle for
28 oz Twin Tube



7521096
Pneumatic Dispensing Tool
for 28 oz. Twin Tube



7521095
Manual Dispensing Tool for
28 oz. Twin Tube