

# UCAN FLO-ROK® 6 SD

## Product Information Sheet

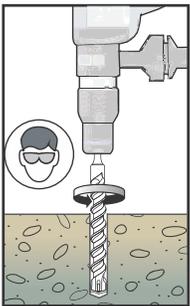
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### FLO-ROK® FR6 SD

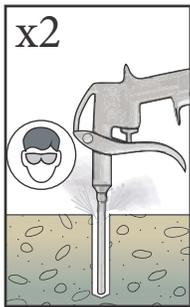
Before beginning installation ensure the worker is equipped with appropriate personal protection equipment, rotary hammer drill, compressed air nozzle, hole cleaning brush, good quality dispensing tool – either manual or power operated, chemical cartridge with mixing nozzle and extension tube, if needed. Refer to technical data “Installation Parameters” for parts specification or guidance for individual items or dimensions.

Important: check the expiration date on the cartridge (do not use expired material) and that the cartridge has been stored in its original packaging, port up, in cool conditions (10°C to 25°C) out of direct sunlight.

### Hole Preparation

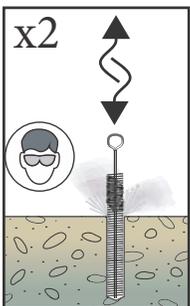


1. Drill the hole to the specified hole diameter and depth using rotary hammer drill in hammer “ON” mode with a UCAN carbide tipped drill bit, conforming to ANSI B212.15-1994 of the appropriate size.



2. Select the correct compressed air nozzle, insert to the bottom of the hole and pull the trigger for 2 seconds. The compressed air must be clean – free from water and oil – and at a minimum pressure of 90psi (6bar).

Perform the blowing operation twice.



3. Select the correct size hole cleaning brush. Ensure that the brush is in good condition and the correct diameter. Insert the brush to the bottom of the hole, using a brush extension if needed to reach the bottom of the hole and withdraw with a twisting motion. There should be positive interaction between the steel bristles of the brush and the sides of the drilled hole.

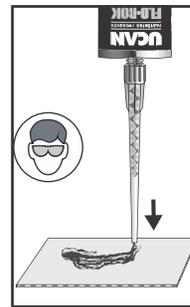
Perform the brushing operation twice.

4. Repeat 2
5. Repeat 3
6. Repeat 2

### Injection Cartridge Preparation

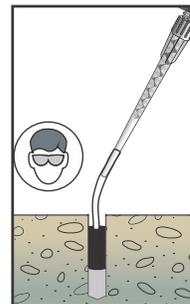
7. Select the appropriate static mixer nozzle, checking that the mixing elements are present and correct (do not modify the mixer). Remove port closure and attach mixer nozzle to the cartridge. Check the dispensing tool is in good working order. Place the cartridge into the dispensing tool.

Note: FR6 SD may only be installed in base material that is between the temperatures of 5°C and 40°C. The product must be conditioned to a minimum of 10°C. For gel and cure time data, refer to products label or UCAN’s Technical Manual



8. Dispense a small amount of resin to waste until an even-colored mixture is extruded. The cartridge is now ready for use.

### Floor and Wall Anchoring



9. **Deep hole (10” & over)**  
As specified in “Installation Parameters” (Refer to UCAN Technical Manual), attach an extension tube with resin stopper to the end of the mixing nozzle with a push fit. (The extension tubes may be pushed into the resin stoppers and are held in place with a coarse internal thread).

Note: The PAM 6HF nozzle is supplied in two sections. One section contains the mixing elements and the other section is an extension piece. Connect the two sections by pushing them firmly together until a positive engagement is felt.

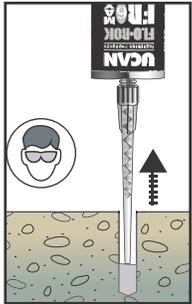
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# UCAN FLO-ROK® 6 SD

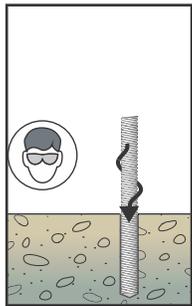
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### Floor and Wall Anchoring - Continued

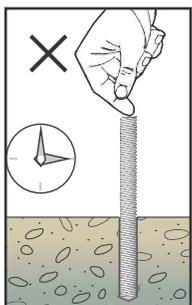


10. Insert the mixing nozzle or extension tube with resin stopper (see figure 9) to the bottom of the hole. Dispense the resin and slowly withdraw the nozzle from the hole. Ensure no air voids are created as the nozzle is withdrawn. Inject resin until the hole is approximately 1/2 - 2/3 full and remove the nozzle from the hole.

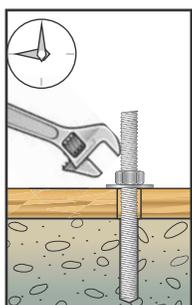


11. Select the threaded rod or rebar ensuring it is free from oil or other contaminants, and mark with the required embedment depth. Insert the threaded rod or rebar into the hole using a back and forth twisting motion to ensure complete cover, until it reaches the bottom of the hole. Excess resin will be pushed out from the hole evenly around the threaded rod or rebar and there shall be no air gaps between the threaded rod or rebar and the wall of the drilled hole.

12. Clean any excess resin from around the mouth of the hole.



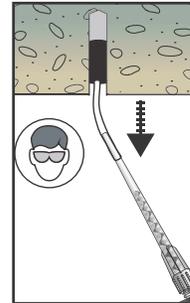
13. Do not disturb the anchor until at least the minimum cure time has elapsed. Refer to the Working and Load Timetable (UCAN Technical Manual) to determine the appropriate cure time.



14. Position the fixture and tighten the anchor to the appropriate installation torque.

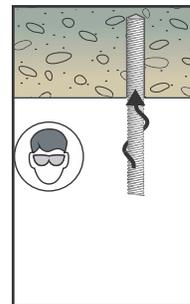
**Do not over-torque the anchor as this could adversely affect its performance.**

### Overhead Anchoring



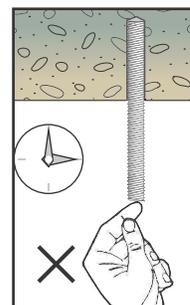
- 9a. As specified in "Installation Parameters" (Refer to UCAN Technical Manual), attach an extension tube with resin stopper to the end of the mixing nozzle with a push fit. (The extension tubes may be pushed into the resin stoppers and are held in place with a coarse internal thread).

- 9b. Insert the extension tube with resin stopper to the bottom of the hole. Dispense the resin and slowly withdraw the nozzle from the hole. Ensure no air voids are created as the nozzle is withdrawn. Inject resin until the hole is approximately 1/2 - 2/3 full and remove the nozzle from the hole.

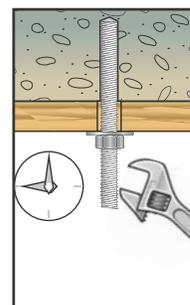


10. Select the appropriate threaded rod or rebar ensuring it is free from oil or other contaminants, and mark with the required embedment depth. Insert the threaded rod or rebar into the hole using a back and forth twisting motion, to ensure complete cover, until it reaches the bottom of the hole. Excess resin will be pushed out from the hole evenly around the threaded rod or rebar and there shall be no air gaps between the threaded rod or rebar and the wall of the drilled hole. During initial curing period, it maybe necessary to support rod.

11. Clean any excess resin from around the mouth of the hole.



12. Do not disturb the anchor until at least the minimum cure time has elapsed. Refer to the Working and Load Timetable (UCAN Technical Manual) to determine the appropriate cure time.



13. Position the fixture and tighten the anchor to the appropriate installation torque.

**Do not over-torque the anchor as this could adversely affect its performance.**

