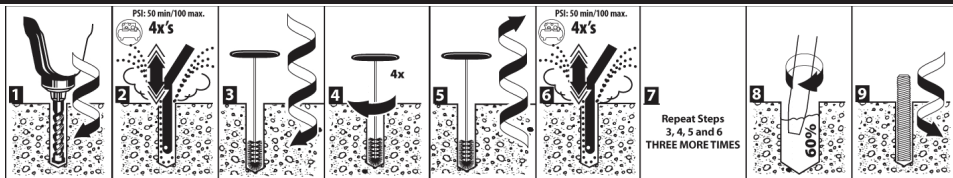


# G5 Adhesive Anchor Installation Instructions



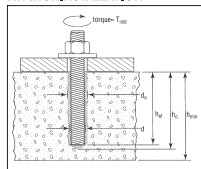
- Use a rotary hammer drill or pneumatic air drilling machine with a drill bit complying to ANSI B212.15. 1994 tolerance standards.
  - Use a drill bit equal to the rod diameter plus  $\frac{1}{16}$ " (for  $\frac{3}{8}$ "  $\phi$  and  $\frac{1}{2}$ "  $\phi$  rod) and  $\frac{1}{8}$ " (for  $\frac{3}{8}$ "  $\phi$  and larger rod). Drill hole to the required embedment depth. See attached table for minimum/maximum embedment depths.
  - The G5 adhesive anchors are for use with wall and floor installations only. Wall installations may be used with  $\frac{3}{8}$ " thru maximum  $\frac{3}{4}$ "  $\phi$  rods.
  - Per construction specification, adhere to minimum spacing, minimum edge distance, and minimum member thickness.
- Oscillate a clean air nozzle in and out of the dry, damp, water-filled or submerged hole four times, for a total of four seconds, starting at the bottom of the hole with contaminant-free compressed air, exhausting hole until visually clean (i.e., no drill dust, debris, etc.).
  - If required, use an extension on the end of the air nozzle to reach the bottom of the hole.
- Select an appropriately sized Red Head brush from part nos. SB038, SB012, SB058, SB034, SB078, SB010, SB125, or match color to anchor diameter. Brush must be checked for wear before use. See attached table for brush specifications, including minimum diameter.
  - Insert brush into the hole with a clockwise motion. For every  $\frac{1}{2}$ " forward advancement, complete one full turn until bottom of hole is reached. For faster and more suitable cleaning, attach the brush to a drill.
  - If required, use a wire brush extension (part nos. ESDS-38 or EHAN-38) to reach the bottom of the hole.
- Twist/spin the brush four full turns at bottom of the hole.
- Using a clockwise motion, for every full turn of the brush, pull the brush  $\frac{1}{2}$ " out of the hole.
  - Air-clean the dust off the brush to prevent clogging of brush.

- Oscillate a clean air nozzle in and out of the hole four times, for a total of four seconds, starting at the bottom of the hole with contaminant-free compressed air, exhausting hole until visually clean.
  - If required, use an extension on the end of the air nozzle to reach the bottom of the hole.
- Repeat steps 3, 4, 5, and 6 (brushing and blowing) three more times before proceeding to step 8.
  - Leave no dust, slurry, in the hole.
- Check the "best used by" date on cartridge and that the cartridge has been stored in temperatures between 40 degrees F and 90 degrees F. Review Material Safety Data Sheet (MSDS) before use.
  - Assemble Red Head supplied cartridge (part no. G5-22) and nozzle (part no. E55).
  - Place assembly into a hand injection tool (part no. E102) or pneumatic injection tool (part no. E202).
- Dispense mixed adhesive outside of hole until uniform color is achieved.
  - During floor installations, concrete and adhesive must be between 70°F to 110°F or artificially maintained.
  - During wall installations, concrete and adhesive must be 70°F or artificially maintained.
  - Insert the nozzle to the bottom of the hole and inject the adhesive at an angle leaving the nozzle tip always slightly below the fill level. In a slow circular direction, work the adhesive into the sides of the hole, filling slowly to ensure proper adhesive distribution, until the hole is approximately 60% filled.
  - Immediately insert an oil, rust and scale free rod to the required embedment depth. Use a counterclockwise motion to ensure proper adhesive distribution.

Repeat Steps  
3, 4, 5 and 6  
THREE MORE TIMES

- After installing the anchor, the gap between the rod and the concrete must be completely filled with adhesive. The adhesive must fill voids, crevices and uniformly coat the rod and concrete.
- For holes that contain water, keep injecting the adhesive below the water in order to displace the water upward.
- After installation, do not disturb the anchor until the full cure time has elapsed.
- Adhesive must be fully cured before applying any load or torque.

## ANCHOR INSTALLATION



BASE MATERIAL (F°/C°)	WORKING TIME	FULL CURE TIME
TEMPERATURA DEL MATERIAL BASE (F°/C°)	TIEMPO DE TRABAJO	TIEMPO DE ENDURECIMIENTO COMPLETO
MATERIAL DE BASE (C°/F°)	TEMPS DE TRAVAIL	TEMPS DE DURCISSEMENT TOTAL
70° / 20°	15 minutes/minutos	24 hours/horas/heures
90° / 32°	9 minutes/minutos	24 hours/horas/heures
110° / 43°	9 minutes/minutos	24 hours/horas/heures