1. Use a rotary hammer drill or pneumatic air drilling machine with a drill bit complying to ANSI B212.15. 1994 tolerance standards.

2. Use a drill bit equal to the rod diameter plus 1/8" (for 1/16" and 1/8" rod) and 1/4" (for 3/32" and larger rod). Drill hole to the required embedment depth. See attached table for minimum/maximum embedment depths.

3. The G5 adhesive anchors are for use with wall and floor installations only. Wall installations may be used with 1/4" thru maximum 3/8" rods.

4. Per construction specification, adhere to minimum spacing, minimum edge distance, and minimum member thickness.

5. 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.).

6. If required, use an extension on the end of the air nozzle to reach the bottom of the hole.

7. Repeat steps 3, 4, 5, and 6 (brushing and blowing) three more times before proceeding to step 8.

8. Leave no dust, slurry, in the hole.

9. 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.

10. Assemble Red Head supplied cartridge (part no. G5-22) and nozzle (part no. E55).

11. Place assembly into a hand injection tool (part no. E102) or pneumatic injection tool (part no. E202).

12. Dispense mixed adhesive outside of hole until uniform color is achieved.

13. During floor installations, concrete and adhesive must be between 70°F to 110°F or artificially maintained.

14. During wall installations, concrete and adhesive must be 70°F or artificially maintained.

15. 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.

16. Immediately insert an oil, rust and scale free rod to the required embedment depth. Use a counterclockwise motion to ensure proper adhesive distribution.

17. 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.

18. For holes that contain water, keep injecting the adhesive below the water in order to displace the water upward.

19. After installation, do not disturb the anchor until the full cure time has elapsed.

20. Adhesive must be fully cured before applying any load or torque.

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**ANCHOR INSTALLATION**

<table>
<thead>
<tr>
<th>BASE MATERIAL (F°/C°)</th>
<th>WORKING TIME</th>
<th>FULL CURE TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BASE MATERIAL (F°/C°)</strong></td>
<td><strong>TIEMPO DE TRABAJO</strong></td>
<td><strong>TIEMPO DE DURACIÓN TOTAL</strong></td>
</tr>
<tr>
<td><strong>TEMPERATURA DEL MATERIALE DE BASE (F°/C°)</strong></td>
<td><strong>TEMPS DE TRAVAIL</strong></td>
<td><strong>TEMPS DE DURÉE COMPLET</strong></td>
</tr>
<tr>
<td>70° / 20°</td>
<td>15 minutos/minutos</td>
<td>24 horas/horas/hours</td>
</tr>
<tr>
<td>90° / 32°</td>
<td>9 minutos/minutos</td>
<td>24 horas/horas/hours</td>
</tr>
<tr>
<td>110° / 43°</td>
<td>9 minutos/minutos</td>
<td>24 horas/horas/hours</td>
</tr>
</tbody>
</table>