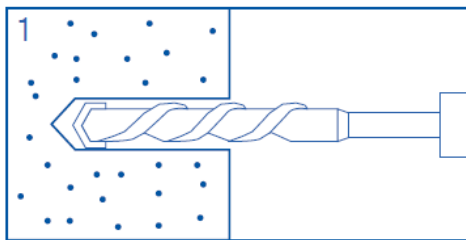
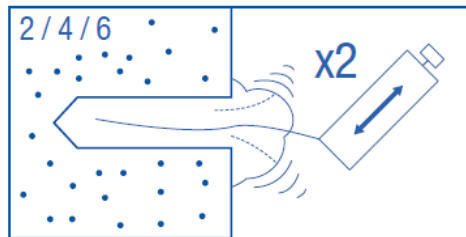


**METHOD STATEMENT: MasterFlow 932 AN - Pure Epoxy (1:1) Resin Based High Performance Anchoring Grout and Adhesive**

A TWO-COMPONENT PURE EPOXY RESIN BASED HIGH PERFORMANCE ANCHORING GROUT AND ADHESIVE FOR USE WITH THREADED ANCHORS AND DEFORMED STEEL REINFORCEMENT DOWEL / STARTER BARS INTO SOLID SUBSTRATES

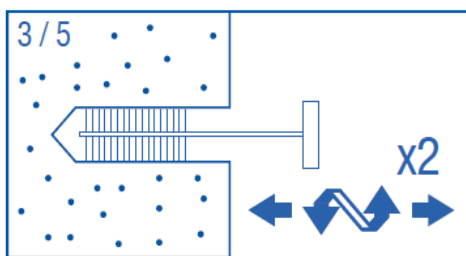


1. Using the SDS Hammer Drill in rotary hammer mode for drilling, with a carbide tipped drill bit of the appropriate size, drill the hole to the required diameter and depth as indicated on the latest **MasterFlow 932 AN** technical data sheet. **Holes should be perfectly clean, dry or damp with no free standing water at the time of installation of the fixings.**



2. Insert the Air Lance to the bottom of the hole and depress the trigger for 2 seconds. The compressed air must be clean – free from water and oil – and at a minimum pressure of 6 bar. Perform the blowing operation twice.

Alternatively use a suitable hand operated air pump.



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 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.

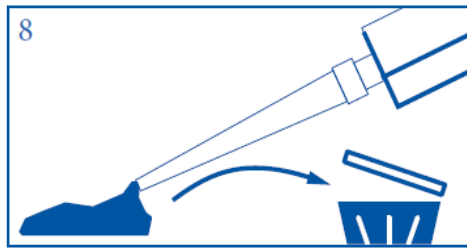
Perform the brushing operation twice.

4. Repeat Step 2 to ensure the drilled hole is perfectly clean.

5. Repeat Step 3 for a final time.

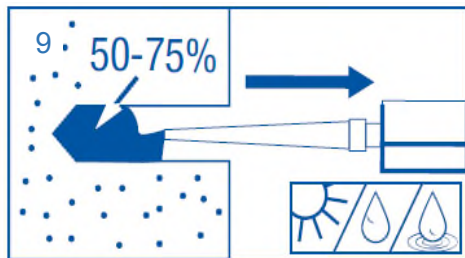
6. Repeat Step 2 for a final time.

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

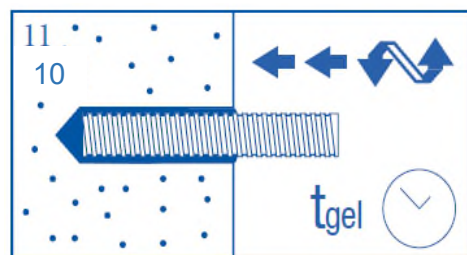


8. Extrude some resin to waste until an even-coloured mixture is extruded. The cartridge is now ready for use.

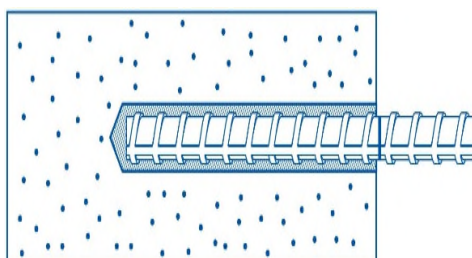
**Select the steel reinforcement dowel / threaded stud anchor element ensuring it is free from oil or other contaminants and mark with the required embedment depth before any material is applied as the working time of the adhesive is greatly reduced high ambient temperatures (>30°C)**

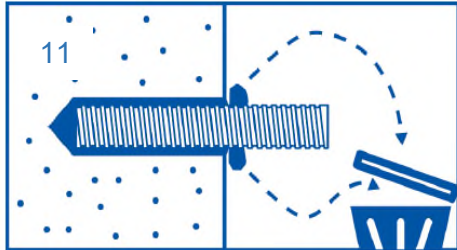


9. Insert the mixing nozzle to the bottom of the hole. Extrude the resin and slowly withdraw the nozzle from the hole. Ensure no air voids are created as the nozzle is withdrawn. Inject resin until the hole is approximately  $\frac{3}{4}$  full and remove the nozzle from the hole. Release the pressure on the cartridge to prevent material being extruded accidentally.

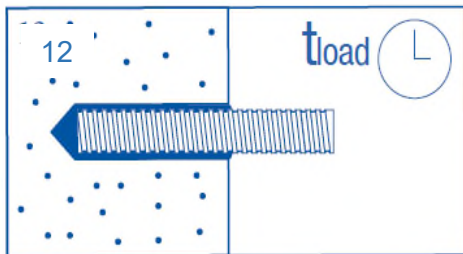


10. Insert the steel element into the hole using a back and forth twisting motion to ensure complete cover, until it reaches the bottom of the hole. Excess resin will be expelled from the hole evenly around the steel element and there shall be no gaps between the anchor element and the wall of the drilled hole.

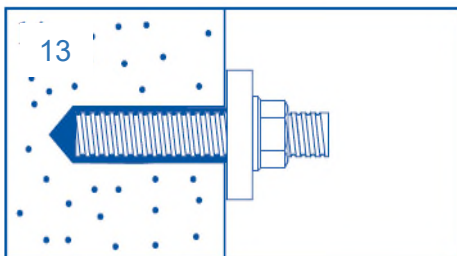




11. Clean any excess resin from around the mouth of the hole using a clean damp cloth or paper towel. Discard correctly. If necessary, fit a template in place to ensure the fitted anchors are held in the correct alignment whilst the epoxy sets hard.



12. Do not disturb the anchor / dowel bar until at least the minimum cure time has elapsed. Refer to the Working and Load timetable to determine the appropriate cure time. Cure and Load time is temperature dependent (Load - 3 hours @40°C). Always allow sufficient curing time BEFORE tightening the anchors.



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

---

#### STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this Master Builders Solutions publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

---

#### NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by Master Builders Solutions either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not Master Builders Solutions, are responsible for carrying out procedures appropriate to a specific application.

---