

THIS METHOD STATEMENT COVERS THE HOLE PREPARATION, MIXING & APPLICATION OF **MasterFlow 916 PG / TIX**, A TWO COMPONENT HIGH STRENGTH POLYESTER RESIN BASED ANCHORING GROUT

METHOD STATEMENT: MasterFlow 916 PG / TIX

1. HOLE PREPARATION:

- 1.1. Holes should ideally be percussion drilled (dry) to provide a rough surface thus increasing the bond. Cored holes must be either undercut or roughened to ensure adequate bond is achieved. Cast holes should be dovetailed and have sides that have been mechanically roughened.
- 1.2. In ALL instances the holes MUST be perfectly dust-free. Holes can be wet / damp, remove excess water where possible.

2. MIXING:

- 2.1. Both **MasterFlow 916 PG** and **MasterFlow 916 TIX** are supplied in pre-measured packs and should only be used as a full pack to ensure the correct chemical ratios are maintained.
- 2.2. Pour the contents of the resin into a small clean bucket and whilst stirring with a slow speed drill and mixing paddle or flat wooden stirrer, slowly add the entire contents of the powder sachet and mix until a lump free smooth consistency is achieved.
- 2.3. Mix only one kit at a time.
- 2.4. Ensure the material is placed immediately after mixing (Pot life 20 minutes @ 25°C).

3. INSTALLATION:

- 3.1. **MasterFlow 916 PG** once mixed should be carefully poured into the prepared holes and the studs / anchors inserted using a twisting motion to ensure full encapsulation.
- 3.2. Clean off any excess **MasterFlow 916 PG** that is extruded from the hole before the material hardens.
- 3.3. Allow the **MasterFlow 916 PG** to harden for at least 6 hours before applying any load onto the anchored fittings.

MasterFlow 916 TIX – Horizontal / Overhead Application

- 3.4. **MasterFlow 916 TIX** once mixed should be placed into a full barrel sealant gun and fitted with a suitable nozzle to allow the mixed material to be injected into the bottom of the hole so that it is filled from the bottom up thus avoiding any air pockets.
- 3.5. As soon as the holes are filled the studs / anchors should be inserted using a twisting motion to ensure full encapsulation.
- 3.6. Clean off any excess **MasterFlow 916 PG** that is extruded from the hole before the material hardens.
- 3.7. Allow the **MasterFlow 916 PG** to harden for at least 6 hours before applying any load onto the anchored fittings.

Note: All anchors or studs used should be provided with a deformed section to prevent rotation of the fixing within the grout whilst under load.

Ends of anchors or studs etc. should be provided with a 45° slope at the insertion end to aid in placing.

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.
