

**POSITIONING OF CONCRETE ANCHOR** - The Concrete Anchor must be in a position easily and safely reached from a safe access point. Concrete anchor should not be positioned close to an edge, minimum distance 150mm. Minimum concrete thickness 150mm.

**LOCATING THE REINFORCING STEEL BAR (REO BAR) IN THE CONCRETE** - Use *Digital metal detector* (Example: BOSCH DMO 10) to locate the Reo bar in the concrete when positioning the Concrete Anchor. This ensures reo bars are avoided when drilling.

**DRILLING THE HOLE** - Drill a hole to a depth and width as suggested in below table.

**PREPARING THE HOLE** - The hole must be moisture and dust free. Remove dust using compressed air, small brush, and vacuum cleaner.

### INSTALLING THE CONCRETE ANCHOR

- ▲ Recommended chemical is Fischer FIS-V. Prior to anchor installation, refer to installation procedure for individual anchor product and check chemical is within expiry date.
- ▲ The injection cartridge is for use with a standard caulking gun
- ▲ The entire surface of the anchors embedded section must be within the concrete and shall use sufficient adhesive mortar as specified in the table below.

| PRODUCT CODE: CON-CHEM-FISV.300  |                                        |                               |                                                                                      |                    |                          |
|----------------------------------|----------------------------------------|-------------------------------|--------------------------------------------------------------------------------------|--------------------|--------------------------|
| Product Code                     | Description                            | Qty                           |                                                                                      |                    |                          |
| CON-CHEM-FISV.300.01             | Injection Mortar FIS V Cartridge 300ml | 1                             |   |                    |                          |
| CON-CHEM-FISMR                   | Static Mixer FIS MR                    | 2                             |  |                    |                          |
| FIS V 300T: INJECTION MORTAR     |                                        |                               |                                                                                      |                    |                          |
| APPLICATION                      | ANCHOR DIAMETER(mm)                    | DRILL HOLE DIAMETER(mm)       | DRILL HOLE DEPTH(mm)                                                                 | MORTAR/ FIXING(ml) | NO# OF FIXING/ CARTRIDGE |
| Concrete Insert                  | 24                                     | 28                            | 90                                                                                   | 40                 | 6                        |
| One Piece Eyebolt M12x90         | 12                                     | 14                            | 90                                                                                   | 10                 | 28                       |
| One Piece Eyebolt M16x90         | 16                                     | 18                            | 90                                                                                   | 15                 | 18                       |
| WindowLink                       | 53&25                                  | 55&28                         | 20&122                                                                               | 60                 | 4                        |
| SwiveLink                        | 24                                     | 28                            | 90                                                                                   | 40                 | 6                        |
| M10x130 Rod – Guardrail          | 10                                     | 12                            | 95                                                                                   | 8                  | 35                       |
| M12x160 Rod – Tuff Post          | 12                                     | 14                            | 115                                                                                  | 10                 | 28                       |
| M12x160 Rod – X-Rail             | 12                                     | 14                            | 95                                                                                   | 10                 | 28                       |
| M16x130 Rod – DonutLink FrogLine | 16                                     | 18                            | 95                                                                                   | 15                 | 18                       |
| M16x160 Rod – Tuff Post          | 16                                     | 18                            | 115                                                                                  | 15                 | 18                       |
| M16x200 Rod – Davit              | 16                                     | 18                            | 140                                                                                  | 16                 | 15                       |
| M16x300 Rod – Davit              | 16                                     | 18                            | 240                                                                                  | 28                 | 12                       |
| CURING TIME FIS V                |                                        |                               |                                                                                      |                    |                          |
| Cartridge Temperature (mortar)   | Gelling Time                           | Temperature at anchoring base |                                                                                      | Curing Time        |                          |
|                                  |                                        | - 5°C - ± 0°C                 |                                                                                      | 24 hours           |                          |
| + 0°C - + 5°C                    | 13 minutes                             | ± 0°C - + 5°C                 |                                                                                      | 3 hours            |                          |
| + 5°C - + 10°C                   | 9 minutes                              | + 5°C - + 10°C                |                                                                                      | 90 minutes         |                          |
| + 10°C - + 20°C                  | 5 minutes                              | + 10°C - + 20°C               |                                                                                      | 60 minutes         |                          |
| + 20°C - + 30°C                  | 4 minutes                              | + 20°C - + 30°C               |                                                                                      | 45 minutes         |                          |
| + 30°C - + 40°C                  | 2 minutes                              | + 30°C - + 40°C               |                                                                                      | 35 minutes         |                          |

The above times apply from the moment of contact between resin and hardener in the static mixer. For installation, the cartridge temperature must be at least +5°C. For longer installation times, ie when interruptions occur in work, the mixer should be replaced.

© 2018, SafetyLink Pty Ltd, Australia.

Patents: SafetyLink Pty Ltd has a multitude of patents, patents pending, design applications, trademarks and copyrighted documents both lodged and issued. Should you wish to know the progress of our intellectual property on a specific product please email us on [ip@safetylink.com](mailto:ip@safetylink.com) and quote the product code.

Doc ID: MKT-880 Version: 12.0