

Keygrout Method Statement (High strength polyester grout for anchoring and fixing)

Section A : General Comments

High temperature working

It is suggested that, for temperatures above 30°C, the following guidelines are adopted as good working practice:

- (i) Keep unmixed materials and equipments in a cool area, avoiding exposure to direct sunlight.
- (ii) Plan for enough material, tools and labours to avoid any stoppage during the application process.
- (iii) Try to avoid application through peak temperature of the day.

Equipment

It is suggested that the following list of equipment is adopted as a minimum requirement:

<i>Protective clothing</i>	:	<i>Good quality gloves, goggles and face mask</i>
<i>Mixing equipment</i>	:	<i>Slow speed drill, and mixing paddle</i>
<i>Application equipment</i>	:	<i>Drill hammer and drill bit</i>

Section B : Application

1.0 Preparation

- 1.1 **Hole:** for optimum anchoring, the hole should be rough sided and dust free. Use rotary drill hammer for better practice and clean the hole by compressed air.
- 1.2 **Bars and anchors:** should be clean and rust free to achieve the design bond strength. Deformed bars will have a better bond strength.
- 1.3 Holes should be dry and dust free.

2.0 Mixing

- 2.1 Use slow speed drill fitted with mixing paddle to mix the powder and the resin.
- 2.2 Do not mix part of packs under any condition, as this will change the mixing ratio between the powder and the resin which will affect the material performance.



3.0 Placing

- 3.1 The mixed grout should be placed within the gel time. Use empty cartridge supplied with Keygrout and load it with mixed grout till in the holes up to 2/3 of the hole depth.
- 3.2 Pump the mixed grout steadily in the prepared hole, pouring should be of inverse dovetail configuration.
- 3.3 Press the bar into the hole to the required depth with slight agitation. The bar should be left undisturbed until materials has reached final setting.
- 3.4 Allow the grout to be hardened fully.

4.0 Cleaning

- 4.1 Use thinner solvent to clean the tools within the pot life of the grout.

Section C : Approval and variations

This method statement is offered by DCP as a 'standard proposal' for the application of **Keygrout**. It remains the responsibility of the Engineer to determine the correct method for any given application. Where alternative methods are to be used, these must be submitted to DCP for approval, in writing, prior to commencement of any work. DCP will not accept responsibility or liability for variations to the above method statement under any other condition.



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