

RB 1.06 MICRO CONCRETE - BOX & POUR APPLICATION

**This is a general methodology; for project-specific methodologies, please contact us.*

1

Waterblast repair zone with a high-pressure water blaster



2

Grind/scabble concrete back to solid concrete. This involves removing any damaged concrete, and zones that are cracked due to corroding re-bar in the concrete. It is important to create a clean, rough surface over the whole repair zone, to provide a good mechanical bond for the repair material.



3

Clean back any exposed steel (remove rust) and prime with RB 1.00 Primer for Steel



4

Install formwork and new steel reinforcing in repair zone, taking particular care to get the dimensions as per dimensions of repaired section on dwg's



5

Mix the RB 1.06 Micro Concrete in a grout mixer, Portamix or grout pump/mixer. Best water ratio for SCC mix is 13% (3.25 litres of water per 25kg bag of 1.06). Mix for at least 3-4 minutes at a good speed to make sure plasticiser and additives have fully activated.



6

Pour the mixed micro concrete into the formed sections, making sure to not take any longer than 15 minutes between pours when filling the same section. Trowel finish top surface (if there is one).



7

For applications carried out in warm or dry windy weather, where there is a trowelled surface, it is good practice to spray the surface of the micro concrete with RB 7.11 Membrane Cure as soon as finished. It is also good practice to spray the full repair zone with RB 7.11 once the formwork has been removed, if removed before 7 days.



8

Leave to cure. 1.06 Micro Concrete will reach approx. 22MPa in 24 hours, and 75MPa in 28 days (at 14% water content). In warmer weather, formwork can be removed after 24 hours if needed.

