APPLICATION GUIDE

Flexcrete

Monopour

USES

Can be pumped or poured into large areas of repairs. It can also be used in grout form beneath machine base plates, plinths and stanchion bases.

PREPARATION

- Remove all damaged concrete to a clean, sound substrate free from laitance and other surface contaminants.
- Care should be taken when cutting out to ensure that air cannot be trapped during the pouring operation.
- Ensure that the substrate has a minimum compressive strength of 20N/mm².
- Expose the full circumference of the steel reinforcement to at least 25mm behind the bar, and 50mm along the bar, beyond the point at which corrosion is visible.
- Step the perimeter of the repair site by approximately 10mm to avoid “feathering”.
- Roughen smooth surfaces, and remove all loose material.
- Remove any corrosive elements from the exposed reinforcement using grit blasting techniques to Swedish Standard Sa2½, and treat with **STEEL REINFORCEMENT PROTECTOR 841**.
- Saturate the substrate with clean water and allow to soak.
- Watertight formwork should be erected and care taken to fully restrain the material.
- **FLEXCRETE CHEMICAL RELEASE AGENT** should be applied to all formwork and allowed to dry. For unsealed timber, a second coat may be necessary.
- Highly porous substrates will need to be sealed with **BONDING BRIDGE 842**.

MIXING

- Look at table overleaf for exact quantity of water to be used.
- Add three-quarters of the water into a mixing vessel.
- With the mixer running, slowly add the bag of powder and mechanically mix for a minimum of 1 minute using a forced-action mixer, such as Creteangle or Dominator, or use a slow speed drill and Epi mixer paddle.

- Add the remaining water and mix for a further 2-3 minutes.

CONSISTENCY ON MIXING	LITRES OF WATER PER 25kg OF MONOPOUR PG	LITRES OF WATER PER 25kg OF MONOPOUR PC6
Trowellable	2.5	2.2
Flowable	3.2	2.8
Fluid	3.5	3.1

APPLICATION

- The area to be filled should be shuttered, and a header box used to maintain a head of 150-200mm throughout the pour. (Continuous grout flow is essential.)
- On larger contracts, pumping techniques can be used. Please consult the Spraying Pumping Equipment Guide for suitable pumping equipment.

NOTE:

- Ensure there is sufficient material available prior to starting and that subsequent mixes can be carefully sequenced.
- Pouring should be done from one side only to avoid the entrapment of air.
- Large areas may be pumped.
- **Do not** use in freezing conditions. Can be applied at a minimum of 3°C on a rising thermometer or a minimum of 5°C on a falling thermometer.

CURING

Use **FLEXCRETE CURING MEMBRANE** or conventional curing techniques to protect from sunlight and drying winds if shutters are removed early.

SHELF LIFE

12 months in unopened sacks in dry, frost free conditions at moderate temperatures not exceeding 20°C.

SAFETY DATA

Safety Data Sheet available on request.

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