

MONOPOUR PG & PC6



USES

High performance, non-shrink, pourable flowing grout (**PG**) and micro concrete (**PC6**) for large areas of concrete repair and heavy duty applications beneath

THICKNESS

MONOPOUR PG: minimum 10mm, maximum 100mm in a single layer.

TECHNIQUES

Pour or pump (consult Spray Pumping Equipment Application Guide). Use trowel or float to finish.

PREPARATION



1. Cut back to sound concrete, minimum of 25mm behind reinforcement and 50mm beyond visible corrosion.
2. Saw or disc cut perimeter of repair to a minimum depth of 5mm (PG), 15mm (PC6).
3. Roughen smooth surfaces.
4. Remove all loose material, dust, surface laitance, mould release agent and any other form of contamination.
5. Clean reinforcement to bright metal.
6. Brush apply **STEEL REINFORCEMENT PROTECTOR 841** to the reinforcement in two 1mm coats. Allow the first coat to stabilise before applying the second coat.
7. Thoroughly soak the substrate with clean water until fully saturated. Remove excess water.
8. No primer required.
9. Erect formwork, which should be firmly supported and the faces treated with a proprietary form release agent.

MIXING



2-3 mins

1. Measure out the required water content for the selected consistency given in the table below and pour $\frac{3}{4}$ into the mixing vessel. With the mixer running, slowly add a full bag of powder.
2. Mix using slow speed drill and EPI paddle with a maximum speed of 750rpm, or in a forced action mixer. Mix for 1 minute.
3. Add the remaining water and continue mixing for a further 2-3 minutes, making sure that a smooth, even consistency is achieved entrapping as little air as possible.
4. Pass the mixed material through a suitable coarse metal screen to remove any lumps or contaminants prior to placing. Place within the working life of the product and throw away any material remaining after this period.
5. **MIX FULL UNITS ONLY. DO NOT SPLIT PACKS.**
6. **IT IS ESSENTIAL TO OBSERVE THE MIXING INSTRUCTIONS OTHERWISE SIGNIFICANTLY LOWER LEVELS OF PERFORMANCE OR POSSIBLE FAILURE WILL RESULT.**

Consistency on Mixing	Monopour PG (litres/25kg sack)	Monopour PC6 (litres/25kg sack)
Trowellable	2.5	2.2
Flowable	3.2	2.8
Fluid	3.5	3.1

APPLICATION

1. Fully restrain repairs with formwork until set to prevent free expansion.
2. A header box should be used to maintain a head of 150-200mm throughout the pour. Continuous grout flow is essential.
3. Ensure sufficient material is available prior to starting the pour and subsequent mixes are carefully sequenced.
4. Pour from one side only, to avoid the entrapment of air or standing water. For larger volumes consider placement by pumping techniques.
5. For multiple lift applications, ensure the previous layer is well keyed but not fully cured before applying subsequent pours.
6. Immediately spray apply **CURING MEMBRANE WB** to any exposed **MONOPOUR**.

WORKING LIFE

Approx. 30 minutes at 40°C.

YIELD

MONOPOUR PG: 12.5 litres per 25kg pack at 3.5 litres water addition.

MONOPOUR PC6: 12.2 litres per 25kg pack at 3.1 litres water addition.

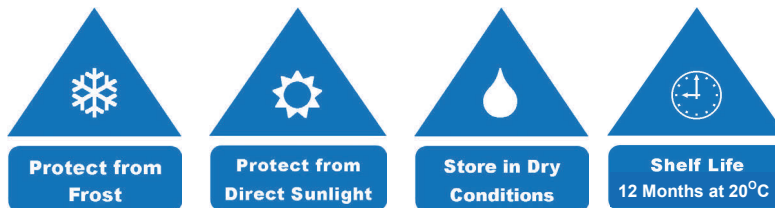
COVERAGE (Typical)

Thickness	Coverage per 25kg (m ²) at fluid consistency	
	Monopour PG	Monopour PC6
10 mm	1.25	NA
50 mm	0.25	0.24
100 mm	0.13	0.12
200 mm	NA	0.06

CLEANING

Clean tools with water immediately after use.

STORAGE AND SHELF LIFE



HEALTH AND SAFETY

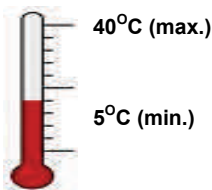
- R36/37/38: Irritating to eyes, respiratory system and skin.
- R41: Risk of serious damage to eyes.
- See Material Safety Data Sheet (MSDS) for full information.

PPE



TOP TIPS

1. Care should be taken when cutting out repairs to ensure that the shape is such that air cannot be trapped during the pouring operation.
2. **DO NOT WET OUT OR PRIME** between layers.
3. If mortar thickens, remix but **DO NOT ADD EXTRA WATER**.
4. Can be mixed to produce a trowellable consistency.
5. When finishing, trowel from centre out towards the perimeter working into the edges of the repair.
6. Cold Weather Working (see separate Guide)
 - ≥3°C on a rising thermometer.
 - ≥5°C on a falling thermometer.
7. Hot Weather Working (see separate Guide)
 - Store material in cool conditions to maximise working life.
 - Shade applied material from strong sunlight.
 - Spray apply a second coat of **CURING MEMBRANE WB**.
 - If possible, avoid extreme temperatures by working at night.



APPLICATION RANGE



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The information herein is correct to the best of our knowledge, but it does not necessarily refer to the particular requirements of the customer. If the customer has any particular requirements it should make them known in writing to Flexcrete Technologies Limited, and obtain further advice accordingly.

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EMS 597350
OHS 597351

Quality
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