



MONORUB

Class R1 Fine Grade Fairing Coat

USES

Fine grade polymer modified mortar for filling blow holes and minor surface defects to produce a fine formed finish. Available in Grey and White versions to enable colour matching with the parent concrete.

ADVANTAGES

- Pre-packaged material simply requires mixing with clean water on-site.
- Incorporates innovative styrene acrylic copolymer technology.
- Uses ordinary Portland cement, which is fully compatible with precast and in-situ concrete.
- Economic mortar generally requiring no substrate or inter-layer priming. Part bags can be mixed.

PRODUCT DESCRIPTION

MONORUB is a single component, polymer modified cementitious mortar for the filling of blow-holes and small surface defects in precast and in-situ concrete, whilst providing an aesthetic yet durable finish. The incorporation of a polymer enhances adhesion and imparts a high degree of water repellency to the surface of concrete, making it denser and more impermeable. Once cured, if required it can be overcoated with specialist membranes in the Flexcrete range to provide further protection and aesthetic quality.



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 0086-CPD-530942

EN1504-3: Concrete repair product for non-structural repair PCC mortar (based on hydraulic cement polymer modified)	
Compressive Strength:	Class R1 ≥ 10MPa
Adhesive Bond:	Class R3 ≥ 1.5MPa
Chloride Ion Content:	≤ 0.05%
Dangerous Substances:	Complies with 5.4
Reaction to Fire:	Class F

TECHNICAL DATA

Mixed Colour:	Grey or White
Mixed Density:	1500-2000 kg/m ³
Min Application Temperature:	5°C
Max Application Temperature:	35°C
Working Life (Approx):	1 hour at 20°C

MECHANICAL CHARACTERISTICS (TYPICAL)

	GREY	WHITE
Compressive Strength at 20°C:		
1 day	30.0 MPa	7.0 MPa
7 days	55.0 MPa	25.0 MPa
28 days	65.0 MPa	35.0 MPa
Flexural Strength:		
BS 4551 20°C and 65% R.H.	8.5 MPa	8.0 MPa
Coefficient of Thermal Expansion:		
BS EN 1770 (-20 to 40°C)	1.73x 10 ⁵ C ⁻¹	1.49 x 10 ⁵ C ⁻¹

APPLICATION DATA

Application Guide available on request.

PREPARATION

The areas to be treated must be free from all unsound material, i.e. dust, oil, grease, organic growth. The prepared surface should be thoroughly soaked with clean water until uniformly saturated without any standing water. Alternatively, porous substrates can be primed with **CEMPROTEC EF PRIMER**. For further information please refer to relevant data sheet.

MIXING

MONORUB should be mechanically mixed in a clean drum using a slow speed drill & paddle with the mix ratios given. A normal concrete mixer is **NOT** suitable. Normal mixing time is approx 2 minutes. Use without delay.

MIXED COLOUR	WATER ADDITION PER 25kg (litres)		VOLUME MIX RATIO POWDER : WATER
	RANGE (depending on desired consistency)	TYPICAL	
GREY	2.9 - 3.3	3.125	5 : 1
WHITE	5.75 - 6.25	6.0	3 : 1

PLACING

Apply by wooden or sponge faced float or "bag rubbing" techniques using a circular motion to completely fill all blow-holes and defects. As a final finishing process, before the material has fully hardened, excess material should be scraped from the surface using a steel float and any residue removed with a dry sponge.

If necessary large surface defects and voids must first be pre-filled with **MONORUB** mixed to a stiffer consistency. Apply by palette knife or steel float. This should be allowed to harden (minimum 24 hours) before proceeding with the main application.

CLEANING

All tools should be cleaned with water immediately after use.

SHELF LIFE

12 months in dry, frost free conditions with unopened bags at 20°C.

PACKAGING AND COVERAGE

Pack Size:	25kg	
Yield:	Grey	14 litres per 25kg pack
	White	15.9 litres per 25kg pack

SAFETY DATA

Safety Data Sheet available on request.



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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

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