

PRODUCT DESCRIPTION

MCP™ is a two component cement based, polymer modified mortar for use on concrete structures where cathodic protection systems with discrete anodes are to be used. The mortar is designed to provide a low resistance environment around the anode and improved performance.

PRODUCT FEATURES

- Durable - does not crack or craze when applied and properly cured.
- Easy to use - can be mixed by hand or mechanically.
- Easy to apply - can be applied easily with a spray pump
- Controlled resistivity mortar.
- Excellent adhesion
- Thin layer, low weight application
- Long life and maintenance-free

PRODUCT USES

- For tunnels, car parks, bridges, and marine structures such as jetties where cathodic protection is to be used as a preventative treatment As a protective coating to steel reinforcing bars in concrete.
- Embedding anodes in vertical and horizontal situations
- Suitable for external and internal surfaces
- As a primer for steel substrates prior to suitable top coating.

TECHNICAL DATA

Colour	Grey
Electrical Resistivity	5.0 (kohm.cm)
Density	2200 kg/m ³
Compressive Strength 28days	92 N/mm ²
Tensile Strength 28days	7 N/mm ²
Flexural strength 28days	15 N/mm ²
Full Cure at 30°C	7 days
shelf Life	12month

HOW TO USE

SURFACE PREPARATION

Prior to application of MCP™ mortar, remove all surface coatings, defective renders, foreign matter, formwork treatments, laitance, algae and other contaminants that may adversely affect the bond. Use abrasive blasting or high pressure water jetting.

Primary anodes should be placed at 2m centres (maximum) with a 1m clearance from the edges of the anode zone.

MIXING:

MCP™ mortar should be mixed with a slow speed drill and paddle. Suggested mixing: add up to 3.2 – 3.8 litres of water to each 20kg bag of MCP™. Mix for three minutes until fully homogeneous. Mix only as much grout as can be installed in 20-30 minutes. Re-mix adding a little additional liquid when required.



Mortar for Concrete Cathodic Protection- MCP™

APPLICATION:

Mortar injected by spray pump to the rear of the hole to avoid air entrapment.

Place MCP™ mortar within 30 minutes of mixing to gain benefit of the expansion system and allow to cure for a minimum of 24 hours, without physical disturbance.

HANDLING

Approved personal protection equipment should be worn at all times. Particle mask is recommended for possible airborne particles. Gloves are recommended when handling mortar to avoid skin irritation. Safety glasses are recommended to prevent eye irritation. Wear chemical resistant clothing/gloves/goggles. Ventilate area. In absence of adequate ventilation, use properly fitted respirator.

STORAGE

- Store in dry, shaded conditions away from sources of heat and ignition
- Protect from moisture and frost

FIRST AID

In case of skin contact, wash thoroughly with soap and water. For eye contact, flush immediately with plenty of water; contact physician immediately. For respiratory problems, remove to fresh air. Wash clothing before reuse.

DISCLAIMER OF LIABILITY

AFZIR, LLC warrants its products to be free from manufacturing defects. Buyer determines suitability of product for use and assumes all risks. Buyer's sole remedy shall be limited to replacement of product. Any claim for breach of this warranty must be brought within six months of the date of purchase.

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