

M P&P Mortar

DESCRIPTION

M P&P Mortar is a fast setting, non-shrink mortar for concrete patching and repairs where waterproofing is a requirement.

M P&P Mortar contains Portland cement, graded sands and active proprietary ingredients, which react with moisture to seal leaking cracks and faulty construction joints. MP & P Mortar can stop water flows and repair other defects in concrete. It is also used to seal tie bolt holes.

RECOMMENDED FOR

- Use as a repair mortar for porous or honeycombed concrete
- Filling tie bolt holes in concrete pits and liquid containing structures
- Fast setting repairs to pre-cast units
- Sealing leaking cracks and faulty construction joints in concrete structures

ADVANTAGES

- Single component (mixed with clean water)
- Fast Setting (refer to technical information)
- Non-toxic, contains no VOCs and can be used in contact with drinking water
- Non-metallic
- High Build, up to 50mm in single application
- Low permeability mortar, can resist hydrostatic pressure to 10 bar*

TECHNICAL INFORMATION

Note: All test results were obtained at 20°C. Unless otherwise stated, at a mix ratio of 4 parts M P&P Mortar: 1 part clean water, was used.

Compressive Strength**	24hrs	14MPa
	7 days	20MPa
	28days	31MPa
Working time	4-5minutes when ambient and water temperature are at 20°C	

AS/NZS 4020:2005 Product tested for use in contact with drinking water - M P&P Mortar showed no harmful effects.

*Value obtained in laboratory conditions.

**28 day strength is dependent on site conditions, water addition and application technique.

PACKAGING

M P&P Mortar is available in 20 kg buckets.

STORAGE

When stored unopened in a dry place at temperatures above 5°C, shelf life is 12 months from date of manufacture.

YEILD

Approximately 15.0 litres per 20 kg pail, i.e. 67 pails per m³ or 1.5 m² per pail at 10 mm thickness.

SURFACE PREPARATION

Scabble the concrete to achieve a sound substrate, cutting the edges square, not feather edge. Ensure the prepared surface is free of all dirt, dust, loose material, release agents, grease or oil.

M P&P Mortar requires a Saturated Substrate and Damp Surface (SSD) condition. Concrete surfaces must be thoroughly saturated with clean water prior to application, remove any excess surface water before application. If concrete surface dries out before application it must be re-wetted.

MIXING

Add 1 part clean water to 4 parts M P&P Mortar by volume and mix to the consistency of a stiff putty. Mixing by gloved hand or trowel, as quickly as practicable, will allow working time as per the technical information on this data sheet. It is recommended that the parts by volume be approximately 250 mls each for ease of mixing. Mixing larger volumes will decrease workability.

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PLACEMENT

Place M P&P Mortar into the prepared concrete, by hand or trowel, tightly to ensure good compaction. If M P&P Mortar is to have subsequent materials or coating applied, roughen the surface with a sponge or wooden float. Otherwise finish with a steel trowel to achieve a tightly closed finish.

ABNORMAL TEMPERATURES

Set time of M P&P Mortar is affected by temperature. When ambient temperature exceeds 30°C, it is recommended that the mixing water be chilled so that the as mixed temperature of M P&P Mortar does not exceed 20°C. When ambient temperature is lower than 15°C, delayed setting time will be experienced, to counter this delay it is recommended that the mixing water be warmed.

CURING

M P&P Mortar should be protected from rapid drying out. Methods of curing can be moist curing or by applying a conforming curing compound.

HEALTH AND SAFETY

M P&P Mortar is alkaline. As a cementitious powder or mixture, M P&P Mortar may cause significant skin and eye irritation. Up to date Material Safety Data Sheets (MSDS) are available from the Manufacturer. The MSDS contains all health and safety information for the safe storage and use of M P&P Mortar .

WARRANTY

Concrete Waterproofing Manufacturing Pty Ltd warrants that the products manufactured by it shall be free from material defects and of a consistent quality. Should any of the products be proven to be defective the liability of the Manufacturer shall be limited to replacement of the product ex-factory. The Manufacturer gives no warranty as to fitness of the product for any particular purpose. The user shall: determine the suitability of the product for its intended use; comply with the direction for use and safe handling information available from the Manufacturer and assume all risks and liabilities in connection with the use of this product.

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