

# MasterPel 240

Water repellent and efflorescence control admixture

## Material Description

**MasterPel 240** multi-purpose admixture can be used in a variety of water-repellent and efflorescence control applications. This unique formula is based on a novel chemistry that is different from that of every conventional water-repellent admixture in the concrete industry.

With its flexible dosage range, **MasterPel 240** admixture enables increased production rates of visually appealing manufactured concrete products and precast concrete products that have superior water repellency and secondary efflorescence control properties, increased strength performance, and improved color vibrancy. **MasterPel 240** admixture also exhibits excellent wind-driven rain resistance and has achieved the highest rating per ASTM E 514.

## Areas of Application

- Architectural block
- Single-wythe masonry construction
- Paving stones
- Segmental retaining wall units
- Concrete roof tile
- Precast /prestressed concrete

## Characteristics and Benefits

- Unique formulation
- Part of block producer water-repellency certification program
- Contains components that enhance color and reduce efflorescence potential
- Provides improved material flow and extrusion characteristics
- Superior water repellency versus conventional water-repellent admixtures
- Significantly reduces secondary efflorescence (improves primary efflorescence control)
- Improves color vibrancy and pigment efficiency
- Increases compressive and flexural strengths
- Increases production rate
- Adds visual appeal

## Quantity to Use

Use **MasterPel 240** admixture at a dosage in the range of 130-325 mL/100 kg of cementitious material depending on the desired benefits.

- Efflorescence Control: Typically 195-325 mL/100 kg of cementitious material.
- Water Repellency: Typically 130-325 mL/100 kg of cementitious material. Optimum water-repellency dosage rates are determined through mix evaluation and testing procedures.

Please consult with your local Master Builders Solutions Technical representative if dosages outside of the listed ranges are being considered.

To further improve the color efficiency and strength performance, the addition of a Rheomix high-performance plasticizing admixture is recommended.

## Mixing

For maximum efficiency, add **MasterPel 240** admixture after wetting of aggregates and cement, and after at least 75% of the final mix water has been added. Allow at least 90 seconds of additional mix time after **MasterPel 240** admixture has been dispensed.

## Notes

**MasterPel 240** admixture will not compensate for flaws in building design, materials, mix proportions, improper production procedures or improper construction methods. Master Builders Solutions is not responsible for inappropriate use of **MasterPel 240** admixture. Proper block manufacturing methods, proper masonry mortar proportioning and mixing and proper use of **MasterPel 240** admixture must be followed. Raked joints should not be permitted for water-repellent admixture system masonry projects. Remove excess mortar promptly and clean any residue.

Note: **MasterPel 240** mortar admixture must be used in the masonry mortar at a minimum dose rate of 65ml/100kg in order to produce a moisture penetration resistant wall system. Failure to do so will result in compromised water repellency of the masonry structure.

Consult your local Master Builders Solutions Technical Sales Representative for applicable design details and specifications.



# MasterPel 240

Water repellent and efflorescence control admixture

## Packaging

MasterPel 240 is available in 20 litre cubes and 1000 litre pallecons.

## Storage & Shelf Life

Keep container tightly closed. Protect from temperatures below: 5 °C.

MasterPel 240 has a shelf life of 12 months.

## Precautions

For the full health and safety hazard information and how to safely handle and use this product, make sure that you obtain a copy of the Safety Data Sheet (SDS) from our office or website.

## Disclaimer

MasterPel-240-ANZ-V9-0723

### STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this MB Solutions Australia Pty Ltd publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use and for ensuring that the application and use of the product is in accordance with the manufacturer's guidelines and recommendations.

### NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by MB Solutions Australia Pty Ltd either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not MB Solutions Australia Pty Ltd, are responsible for carrying out procedures appropriate to a specific application.

### MB Solutions Australia Pty Ltd

ABN 69 634 934 419  
11 Stanton Road  
Seven Hills NSW 2147

Freecall: 1300 227 300

[www.master-builders-solutions.com/en-au](http://www.master-builders-solutions.com/en-au)

### MB Solutions New Zealand Ltd

45C William Pickering Drive  
Albany, Auckland  
New Zealand

Phone: +64 9 414 7233

### Emergency Advice:

1300 954 583 within Australia (24hr)  
0800 001 607 within New Zealand

