

# RHEOPEL<sup>®</sup> PLUS

Water repellent and efflorescence control admixture

## DESCRIPTION

**RHEOPEL Plus** 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, **RHEOPEL Plus** 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. **RHEOPEL Plus** admixture also exhibits excellent wind-driven rain resistance and has achieved the highest rating per ASTM E 514.

## RECOMMENDED FOR

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

## FEATURES 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 **RHEOPEL Plus** 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 BASF 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 **RHEOPEL Plus** 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 **RHEOPEL Plus** admixture has been dispensed.

## PRODUCT NOTES

**RHEOPEL Plus** admixture will not compensate for flaws in building design, materials, mix proportions, improper production procedures or improper construction methods. BASF is not responsible for inappropriate use of **RHEOPEL Plus** admixture.

Proper block manufacturing methods, proper masonry mortar proportioning and mixing and proper use of **RHEOPEL Plus** 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: RHEOPEL Plus 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 BASF Technical Sales Representative for applicable design details and specifications.*

## STORAGE

**RHEOPEL Plus** admixture must be protected from hot and freezing temperatures. **RHEOPEL Plus** admixture must be stored at a material temperature between 4 °C and 40 °C. **RHEOPEL Plus** admixture is not useable after it freezes.

## SHELF LIFE

**RHEOPEL Plus** admixture has a minimum shelf life of 6 months. Depending on storage conditions, the shelf life may be greater than stated. Please contact your local BASF Technical Sales Representative regarding suitability for use and dosage recommendations if the shelf life of **RHEOPEL Plus** admixture has been exceeded.

## PACKAGING

**RHEOPEL Plus** admixture is available in 20 litre cubes, 205 litre drums and 1040 litre palletcons.

## PRECAUTIONS

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



The Chemical Company

# RHEOPEL<sup>®</sup> PLUS

---

ARpeIPlus/4/0811

## STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this **BASF** 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.

## NOTE

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

### BASF Australia Ltd

A.B.N. 62008437867

Head Office: 11 Stanton Road Seven Hills, NSW 2147

Ph. (02) 8811 4200

Newcastle (02) 4961 3819

Canberra (02) 6280 6010

Brisbane (07) 3633 9900

Townsville (07) 4774 7344

Melbourne (03) 9549 0300

Adelaide (08) 8139 7500

Perth (08) 9366 2600

Darwin (08) 8984 3269

Kalgoorlie 0417 772 355

### BASF New Zealand Ltd

Head Office: 45 William Pickering Drive, Albany, Auckland Ph: (09) 414 7233

### BASF WEB SITES

[www.basf-cc.com.au](http://www.basf-cc.com.au)

[www.basf-cc.co.nz](http://www.basf-cc.co.nz)

[www.meyco.basf.com](http://www.meyco.basf.com)