



The Chemical Company



2800 Second St.  
Cuyahoga Falls  
OH 44221

W. L. TUCKER SUPPLY COMPANY, INC.

"The Best Names In Construction Are Under Our Roof!"

WWW.WLTUCKER.COM

CALL: 330.928.2155

## Description

Rheopel Mortar Admixture is a patented, specially-blended emulsion additive used for the production of water penetration resistant and efflorescence-controlled masonry mortar. Rheopel Mortar Admixture treated masonry mortar demonstrates outstanding resistance to moisture migration and wind-driven rain per ASTM E 514. Test data is available upon request.

## Applications

Recommended for use in:

- Masonry mortar
- Portland cement stucco
- Masonry grout fill

# RHEOPEL® Mortar Admixture

## Water-Repellent and Efflorescence Control Mortar Admixture

### Features

- Contains components that enhance color and reduce efflorescence potential
- Part of water-repellent, CMU specification

### Benefits

- Reduces potential for primary and secondary efflorescence
- Increases compressive and flexural strengths
- Improves bond strength per ASTM C 1072
- Reduces absorption rate
- Improves water repellent characteristics
- Minimizes need for post-applied sealers
- Adds visual appeal

### Guidelines for Use

**Dosage:** Use Rheopel Mortar Admixture at a dosage of 16 fl oz (475 mL) per bag or cubic foot (0.03 m<sup>3</sup>) of cementitious materials used in the mix. Please consult with your local BASF Construction Chemicals representative if dosages outside of the stated value are being considered.

**Mixing:** Prepare masonry mortar according to ASTM C 270 and the following:

- 1) Mix all mortar ingredients until thoroughly blended, and wetted to consistency which is somewhat drier than desired
- 2) Add the proper amount of Rheopel Mortar Admixture
- 3) Continue mixing for an additional 1 to 1-1/2 minutes while adjusting the consistency with final mix water. Total mix time should be 3 to 5 minutes
- 4) Prepared mortar should be placed within 2-1/2 hours after initial mixing, during which retempering is allowed

Master  
Builders

# Product Data: RHEOPEL® Mortar Admixture

## Product Notes

**Design and Construction Considerations:** Watertightness of the mortar joint is influenced by its ability to resist moisture wicking, shed the flow of water and integrate with the associated masonry units. The addition of Rheopel Mortar Admixture imparts water repellency throughout the mortar. However, proper joint tooling is critical to the performance of exterior masonry walls. Both the National Concrete Masonry Association (NCMA) and Brick Institute of America (BIA) recognize a concave-tooled mortar joint as being the least prone to allowing water penetration. Therefore, concave tooling is recommended whenever Rheopel Mortar Admixture is used.

Design details regarding flashing and weep hole provisions are available upon request.

**Preparatory Work:** Rheopel admixture-treated concrete masonry units are manufactured by block producers using performance-optimized mix designs and qualified admixture dosages.

**Methods:** Design and construction details must observe all applicable design codes incorporating the recommendations of NCMA TEK 10-1A, Crack Control In Concrete Masonry Walls; TEK 19-2A, Design For Dry Single-Wythe Concrete Masonry Walls; TEK 19-4A, Flashing Strategies For Concrete Masonry Walls; and TEK 19-5A, Flashing Details For Concrete Masonry Walls.

Rheopel Admixtures will not compensate for flaws in building design, materials, mix proportions, improper construction procedures or improper construction methods. BASF Construction Chemicals is not responsible for inappropriate use of Rheopel admixtures.

Proper use of Rheopel Mortar Admixture must be observed. Raked joints should not be permitted for water repellent projects. Remove excess mortar promptly and clean any residue using procedures recommended in NCMA TEK 8-2A, Removal of Stains From Concrete Masonry.

*Note: All Rheopel specified, water-repellent masonry projects must incorporate Rheopel Mortar Admixture (or a BASF Construction Chemicals approved equivalent) in the accompanying masonry mortar to produce a moisture penetration resistant wall system. Failure to do so will result in compromised water repellency of the masonry structure and will be in violation of the Rheopel Admixture System guide specification.*

## Storage and Handling

**Storage Temperature:** Rheopel Mortar Admixture must be stored above 35 °F (2 °C) and protected from freezing. Rheopel Mortar Admixture is not usable after it freezes. Rheopel Mortar Admixture should be protected from direct sunlight in elevated temperatures.

**Shelf Life:** Rheopel Mortar Admixture has a minimum shelf life of 6 months. Depending on storage conditions, the shelf life may be greater than stated. Please contact your BASF Construction Chemicals representative regarding suitability for use and dosage recommendations if the shelf life of Rheopel Mortar Admixture has been exceeded.

## Packaging

Rheopel Mortar Admixture is available in 32 fl oz (950 mL) bottles and is packaged in cases of 12 (30 cases per pallet) for masonry mortar applications.

## Related Documents

Material Safety Data Sheets: Rheopel Mortar Admixture.

## Additional Information

For additional information on Rheopel Mortar Admixture, consult your BASF Construction Chemicals representative.

*The Admixture Systems business of BASF Construction Chemicals is a leading provider of innovative additives for specialty concrete used in the ready mix, precast, manufactured concrete products, underground construction and paving markets throughout the NAFTA region. The Company's respected Master Builders brand products are used to improve the placing, pumping, finishing, appearance and performance characteristics of concrete.*

**BASF Construction Chemicals, LLC**  
Admixture Systems

[www.masterbuilders.com](http://www.masterbuilders.com)

United States 23700 Chagrin Boulevard, Cleveland, Ohio 44122-5544 ■ Tel: 800 628-9990 ■ Fax: 216 839-8821  
Canada 1800 Clark Boulevard, Brampton, Ontario L6T 4M7 ■ Tel: 800 387-5862 ■ Fax: 905 792-0651

© Construction Research & Technology GMBH

© BASF Construction Chemicals, LLC 2007 ■ Printed in USA ■ 03/07 ■ LIT # 1027115 ■ Product and/or use covered by: US5922124, CA2246930.

**Master  
Builders**