

Grace offers a complete line of building products to help protect your most important structures. Remember to cross-reference our other catalogs.



Waterproofing Products
Section Number 07100

Fireproofing Products
Section Number 07812

Firestop Products & Systems
Section Number 07840

Underlayment Products
Section Number 07100



Grace Construction Products is dedicated to the design community with a full range of services to complement our products. Grace Construction Products' services can assist you in achieving a successful project from start to finish.

The range of services we offer throughout North America include:

- AIA Registered Educational Seminars
- Design Assistance
- Pre-Job Meetings
- Jobsite Assistance
- Technical Assistance
- Specification Review
- Qualified CMU Producers
- CAD Details
- Specifications on Diskette
- Detail Review

This brochure replaces all previously printed material in Sweet's Catalog on the Grace Masonry Products System. September 2003.
Grace Construction Products Customer Service Center 877-423-6491 FAX 877-423-6492 (Central Time Zone)

Call Sweet's BuyLine number for the name and telephone number of your nearest sales representative (800) 892-1165.

*Grace Construction Products sincerely thanks the following for photos.
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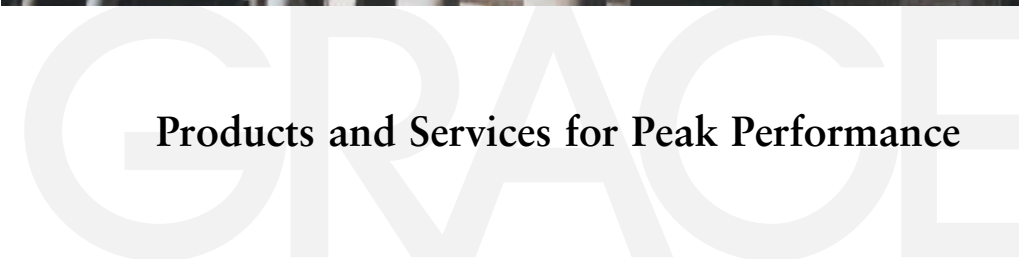
web Visit our web site at www.graceconstruction.com

W. R. Grace & Co.-Conn 62 Whittemore Avenue Cambridge, MA 02140

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Masonry Products



Products and Services for Peak Performance

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MASONRY PRODUCTS PRODUCTS FOR ARCHITECTURAL CONCRETE FIREPROOFING PRODUCTS WATERPROOFING PRODUCTS UNDERLAYMENT PRODUCTS FIRESTOP PRODUCTS AND SYSTEMS CONCRETE ADMIXTURES CEMENT ADDITIVES MASONRY

PRODUCTS PRODUCTS FOR ARCHITECTURAL CONCRETE FIREPROOFING PRODUCTS WATERPROOFING PRODUCTS UNDERLAYMENT PRODUCTS FIRESTOP PRODUCTS AND SYSTEMS CONCRETE ADMIXTURES CEMENT ADDITIVES MASONRY PRODUCTS PRODUCTS FOR ARCHITECTURAL CONCRETE FIREPROOFING PRODUCTS WATERPROOFING PRODUCTS UNDERLAYMENT PRODUCTS FIRESTOP PRODUCTS AND SYSTEMS CONCRETE ADMIXTURES CEMENT ADDITIVES MASONRY PRODUCTS PRODUCTS FOR ARCHITECTURAL CONCRETE FIREPROOFING PRODUCTS WATERPROOFING PRODUCTS UNDERLAYMENT PRODUCTS FIRESTOP PRODUCTS AND SYSTEMS CONCRETE ADMIXTURES CEMENT ADDITIVES MASONRY PRODUCTS PRODUCTS FOR ARCHITECTURAL CONCRETE FIREPROOFING PRODUCTS WATERPROOFING PRODUCTS UNDERLAYMENT PRODUCTS FIRESTOP PRODUCTS AND SYSTEMS CONCRETE ADMIXTURES CEMENT ADDITIVES MASONRY PRODUCTS PRODUCTS FOR ARCHITECTURAL CONCRETE FIREPROOFING PRODUCTS WATERPROOFING PRODUCTS UNDERLAYMENT PRODUCTS FIRESTOP PRODUCTS AND SYSTEMS CONCRETE ADMIXTURES CEMENT ADDITIVES MASONRY PRODUCTS PRODUCTS FOR ARCHITECTURAL CONCRETE FIREPROOFING PRODUCTS WATERPROOFING PRODUCTS UNDERLAYMENT PRODUCTS FIRESTOP PRODUCTS AND SYSTEMS CONCRETE ADMIXTURES CEMENT ADDITIVES MASONRY



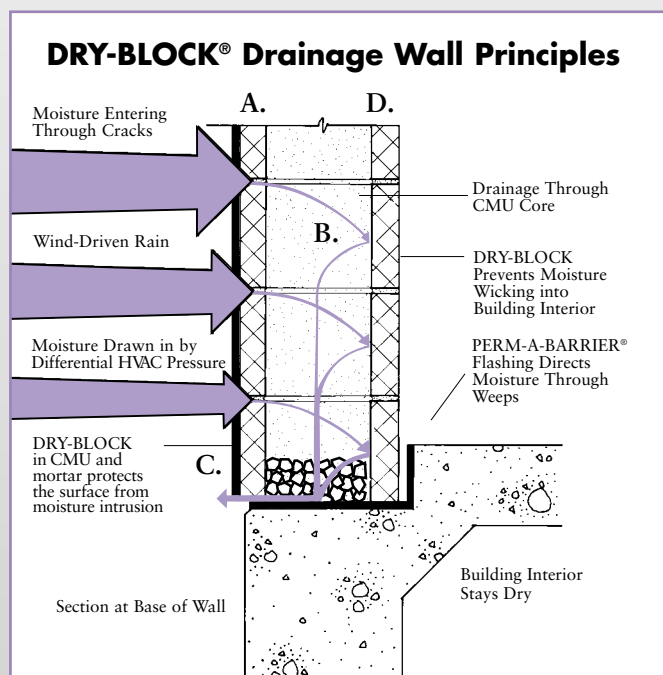
DRY-BLOCK® CMU Admixture



DRY-BLOCK® Mortar Admixture

Grace offers a full range of products to limit the amount of water penetration and provide sufficient drainage to promote moisture flow out of the wall.

- A. Protection.** DRY-BLOCK® System Admixtures and INFINISEAL® DB Sealer provide the first line of defense in minimizing moisture entry through the front face shells of the concrete masonry units (CMUs).
- B. Collection.** The open cores of CMUs in a single-wythe wall perform similarly to cavity wall construction. Water that enters the wall system drains down the cores and collects on the flashing.
- C. Drainage.** Perm-A-Barrier® Wall Flashing collects the water and directs it to the weeps for final drainage to the exterior of the building envelope. See catalog 07100/GRA BuyLine 0089 for more information.
- D. Back-up.** Since the DRY-BLOCK System is used throughout the mortar and block, its water-repellent performance allows the back shell of the CMU to perform similarly to the back-up wythe in cavity wall construction.



The DRY-BLOCK® System

With the longest successful track record of any integral water-repellent, the DRY-BLOCK System is the most extensively used integral water-repellent admixture system in single-wythe masonry construction. Evaluated by the National Concrete Masonry Association (NCMA) Research and Development Laboratory and other independent testing laboratories, this proven protection consists of two admixtures:

- DRY-BLOCK Block Admixture is mixed throughout the concrete during manufacture of the concrete masonry unit.
- DRY-BLOCK Mortar Admixture is mixed into the mortar at the jobsite.

The DRY-BLOCK Qualified Producer Network

Making a water-repellent CMU takes more than simply adding an admixture. There are over 350 Qualified DRY-BLOCK Producers throughout North America. DRY-BLOCK Producers undergo annual testing to ensure the highest quality standards and water-repellent performance.

Be sure to request a Certificate of Qualification when accepting a bid on a DRY-BLOCK System project. This assures that the producer's production CMUs meet our strict water-repellent performance criteria.

DRY-BLOCK as Dampproofing

Specifying DRY-BLOCK in place of conventional dampproofing in cavity wall back-up applications assures reliable moisture protection, considerable labor savings and a lower, more efficient installed wall cost. With the DRY-BLOCK System, once the back-up wythe is built, the dampproofing is in place. It eliminates concerns about uneven application, inconsistent materials, and non-uniform thickness that can occur with conventional dampproofing. Also, there are no additional labor costs or job delays associated with waiting for another trade to complete the project. You are assured the proven performance of DRY-BLOCK throughout the block and mortar.



Description

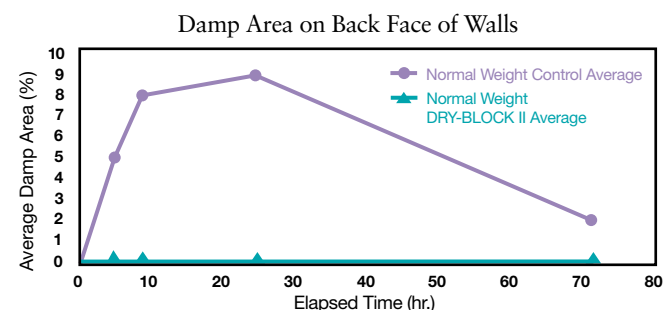
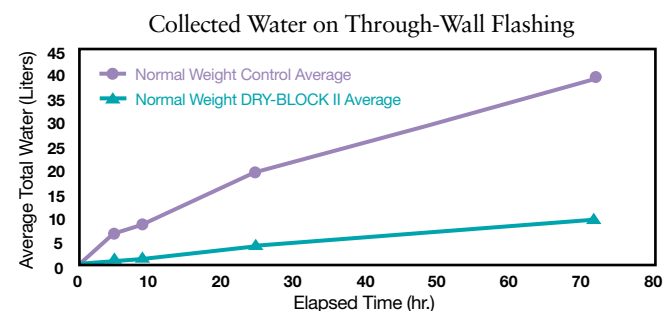
Specially formulated for use in concrete masonry units, DRY-BLOCK CMU Admixture provides a single, easy-to-use product that provides outstanding integral water-repellent characteristics. Evaluated by the NCMA and other independent testing laboratories, DRY-BLOCK meets the standards for CMUs including ASTM Standard Test Methods for Water Vapor Transmission of Materials (E 96), and ASTM Standard Test Method for Water Penetration and Leakage Through Masonry (E 514).

Additionally, DRY-BLOCK CMU achieved a Class E (excellent) rating for Normal Weight, Medium Weight, and Lightweight CMUs when evaluated for wind-driven rain resistance, using ASTM E 514 with the test extended to 72 hours, using the rating criteria in ASTM E 514-74.

Advantages

- Provides moisture control of concrete masonry walls
- Prevents wicking of water in the CMU and mortar
- Reduces risk of efflorescence
- Improves production and reduces labor costs
- Provides a denser, more uniform finished unit

DRY-BLOCK CMU vs. Control CMU in Resisting Water Penetration



Source: NCMA Report Data

Description

Formulated based on Grace's patented technology, DRY-BLOCK Mortar Admixture is an integral water-repellent, bond-enhancing admixture for masonry mortar. Tests demonstrate that DRY-BLOCK Mortar Admixture increases the flexural bond of both Portland cement/lime and masonry cement mortars to CMUs.

When the admixture is added at its recommended dosage rate, the wicking property of masonry mortar is dramatically reduced. DRY-BLOCK Mortar Admixture is a requirement for all DRY-BLOCK System projects.

Advantages

- Provides water-repellent mortar
- Minimizes efflorescence at the mortar joint
- Improves mortar workability
- Packaged for easy jobsite use
- Improves mortar properties including bond strength

Design Considerations

The water repellency of mortar joints is a function of both the ability of the mortar to reduce water penetration and the geometry of the mortar joint. Using DRY-BLOCK Mortar Admixture with proper tooling increases the watertight properties of mortar joints and provides resistance to water penetration.

A well-tooled concave joint profile provides the greatest resistance to water penetration. Concave or V-profile tooling when the mortar is thumbprint hard, is recommended whenever DRY-BLOCK Mortar Admixture is used for exterior applications. Other joint profiles such as raked, flush, extruded, struck, beaded, or weathered have poor water resistance and are not recommended for exterior applications. For complete specifications contact your Grace Masonry Products Representative, or visit our web site at www.graceconstruction.com. Obtain technical data, specifications, CAD detail drawings and Material Safety Data Sheets.