



PRICE RESEARCH, LTD.
 3511 Stadium Drive
 Kansas City, Missouri 64129
 Phone (816) 924-5955
 www.priceresearchltd.com

PRODUCT DATA

BLOCKADE (INTEGRAL WATERPROOFING FOR CONCRETE MATERIAL) AND BLOCKADE MORTAR ADMIX

PRODUCT NAME: BLOCKADE AND BLOCKADE MORTAR ADMIX

MANUFACTURER: PRICE RESEARCH, LTD.
 3511 Stadium Drive
 Kansas City, MO 64129
 Phone: (816) 924-5955

PRODUCT DESCRIPTION:

Basic Use:

BLOCKADE is the advance water-repellent concrete mortar additive specially designed to be used in the manufacturing of block, paver, colored blocks, colored pavers, etc..

BLOCKADE MORTAR ADMIX is a water-repellent additive for mortar joints.

Composition and Materials:

BLOCKADE is composed of high molecular organofunctional polymer of natural fatty acids combined with surface active agents.

Features:

1. Provides excellent water and moisture screen.
2. Spalling and sealing of blocks and pavers is eliminated.
3. Minimize efflorescence, mold and mildew.
4. Uniformity of integral colors.
5. Compatible with set accelerators.
6. Provides exceptional strength.
7. Blocks are drier, thus better insulating value.
8. Blocks made with BLOCKADE system may be painted.
9. Provides lubricity and clean casting of blocks.

Recommended For:

- Blocks admixture Paver admixture Colored Blocks and Paver admixture Split Face Blocks and Split Face Colored Blocks admixture Integral waterproofing for any concrete materials
- Blockade Mortar Admix as mortar additive

TECHNICAL DATA:

Type	High molecular organofunctional polymer of natural fatty acids
Shelf Life	6 to 12 months in closed container
Biodegradable	YES
Specific Gravity	1.0

Continued on back

<u>Data</u>	<u>Test Method</u>	<u>Result</u>
Form		Milky Liquid
Flash Point	Open Cup	None
Total Solid	Evaporation (65°F)	More than 50%
V.O.C. Compliant		Yes
V.O.C. Content	EPA Method-24	Less than 10gms/liter
Absorption	ASTM C-140 (24 hrs submersion test	98.4% effective in reduction water intrusion
Water Repellency Test	ASTM C-67-80a	96% min.
Water Permeance Test of Masonry % of Reduction of Leakage in Block	ASTM E-514-74 and ASTM E-514-86	99.8% min.
Moisture Vapor Transmission Rate	ASTM E-96-90	93% min.
Accelerated Weathering QUV Testing	2500 hrs.	No less repellency
Efflorescence	NBS-883	Highly resistance
Permeability (treated and untreated specimen)	ASTM D-1653	Minimum 80% untreated sample

DIRECTIONS FOR USE: TEST FIRST

A. BLOCKADE System admix is normally put in to batch after final water. **B.** Do not use other admixes especially plasticizer. **C.** Keep mix slightly wetter than normal. **D.** BLOCKADE mix may be added to batch manually or with automatic pump. **E.** For BLOCKADE MORTAR ADMIX consult label.

Dosage:

BLOCKADE admix is 18 to 20 fl. oz. per 100-lbs. of cement. This amount may vary slightly due to variations in mix design and aggregate. Higher use level will not affect the block or paver strength.

Dosage:

BLOCKADE MORTAR ADMIX shall be used at a rate of 16 fluid ounces per 70 - 80 lb. bag of prepared masonry cement or weight equivalent of portland and lime mortars. For example: One quart (32 fl. oz.) of BLOCKADE MORTAR ADMIX per one 94 lb. bag portland cement and 50 lbs. hydrated lime (144 lbs total cementitious material) plus 6 cubic feet of masonry sand when using a portland and lime type N (1-1-6) mortar mix.

Clean Up:

Use warm water to clean tools and equipment.

Notes:

BLOCKADE System admix is freezable material. Store at room temperature. Keep container closed when not in use to avoid contamination.

AVAILABILITY AND COST:

Please contact Price Research, Ltd.
Phone: (816) 924-5955

LIMITED WARRANTY:

Price Research, Ltd. has no control over the storage, handling or use of this product, thus the guarantee is limited to the purchase price of the defective material only.

TECHNICAL SERVICES:

Call (816) 924-5955 and ask for Technical Services.