



**PRICE RESEARCH, LTD.**  
 3511 Stadium Drive  
 Kansas City, Missouri 64129  
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# PRODUCT DATA

## PRICE AQUA SEAL #77 HD (V.O.C.Compliant)

**PRODUCT NAME:** PRICE AQUA SEAL #77 HD (V.O.C. Compliant)  
 A water-base aqueous silane/siloxane blend penetrating water repellent for brick masonry, limestone, pre-cast and concrete surfaces (breathable), concrete block, stucco, etc..

**MANUFACTURER:** PRICE RESEARCH, LTD.  
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**PRODUCT DESCRIPTION:**

PRICE AQUA SEAL #77 HD is a water-based N-octyltriethoxy silane/siloxane blend penetrating water repellent. It is designed specially for brick masonry, limestone, pre-cast and concrete surfaces, including blocks where darkening is unacceptable. PRICE AQUA SEAL #77 HD reduces bonding of airborne hydrocarbon, reduces water damage from freeze-thaw, protects against efflorescence and has excellent ultraviolet resistance.

**Limitations:**

- Air and surface temperature must be above 40°F during application.
- Caulking should be installed prior to application.
- Protect surrounding non-masonry surfaces, such as glass, aluminum, etc.
- Inadvertent splashes should be removed with water before the solution has dried on surface.
- Do not apply when rain is predicted within 24 hours.
- NOTE: Store at room temperature (68°F)

Meets and surpassed Fed. Spec. SS-W-110 b (GSA-FSS) Performance.

**TECHNICAL DATA:**

Appearance . . . . .	Milky
Odor . . . . .	None
Weight . . . . .	8.5 lbs. per gallon (approx.)
Carrier . . . . .	water
Composition . . . . .	Aqueous silane/siloxane blend in water
Active Solid . . . . .	20% by weight (approx.)
VOC Content (EPA Method 24) . . . . .	Less than 170 gams/liter
Flash Point (ASTM D3278-82) . . . . .	Greater than 240°F SETA
Average Depth Penetration . . . . .	0.15" depending upon substrate
Water Absorption Test (ASTM C642-82) (OK. DOT. STD.) . . . . .	0.52% / 48 hrs.

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Scaling Resistance Test (ASTM C672-84) (Non-air-entrained Concrete) . . . . .	0 rating "No Scaling"
Yellowing . . . . .	None
Water Permanence Test of Masonry (ASTM E514-86) Percentage reduction of leakage on block wall . . . . .	99.8% (min.)
Moisture Vapor Transmission Rate (ASTM E96-90) . . . . .	48 grams (Ft. <sup>2</sup> / 24 hrs. at 77°F)
Accelerated Weathering (QUV) Testing 2500 hrs. . . . .	No less repellency
Efflorescence (NBS-883). . . . .	Highly resistance
Surface Appearance After Application . . . . .	Unchanged to slight darkening

**APPLICATION: TEST FIRST**

1. Protect all non-masonry surfaces
2. Surface to be treated should be free of dirt, grease, moisture, etc.
3. Surface should be completely dry. New concrete should be allowed to cure at least 14 days before application.
4. Product may be applied with low-pressure spray equipment, brush or roller.
5. When using low-pressure equipment apply a light mist to break the surface tension. This allows for good penetration. Then repeat the process with a flood coat (4 to 6 in. run down).

**Caution:**

DO NOT alter the material as supplied.

**Coverage Rate:**

Brick Masonry . . . . .	150 - 200 sq.ft. / gal.
Limestone . . . . .	100 - 150 sq.ft. / gal.
Smooth Pre-Cast . . . . .	100 - 125 sq.ft. / gal.
Rough Exposed Aggregate . . . . .	80.- 125 sq.ft. / gal.
Block (high density) . . . . .	75 - 100 sq.ft. / gal.
Block (low density). . . . .	50 - 75 sq.ft. / gal.
Concrete (horizontal) . . . . .	125 - 150 sq.ft./gal.

**Life Expectancy:**

PRICE AQUA SEAL #77 HD should last a minimum of 5 years.

**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. All information and direction, as contained in this bulletin and on the product label, are intended for use by persons having experience and practical application skill. No other guarantees/warranties are expressed or implied.

**TECHNICAL SERVICE:**

Call Price Research, Ltd. at (816) 924-5955 and ask for Technical Service.