



PRICE RESEARCH, LTD.
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PRODUCT DATA

PRICE ROOF TILE SHIELD (V.O.C.Compliant)

PRODUCT NAME: PRICE ROOF TILE SHIELD (V.O.C. Compliant)

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

PRODUCT DESCRIPTION:

PRICE ROOF TILE SHIELD is a water-based N-octyltriethoxy silane/siloxane proprietary blend penetrating sealer. It is designed specially for concrete and clay roof tile protection. PRICE ROOF TILE SHIELD reduces bonding of hydrocarbon, reduces water damage from freeze-thaw, protects against efflorescence (tile whiteness) and has excellent ultraviolet resistance. Proprietary formulation hinders the growth of algae and fungus growth on the tile surface.

Features:

- Provides excellent efflorescence resistance.
- Hinders and retards algae and fungus growth.
- Dries tack free and skid resistance.
- Long lasting protection.
- Spalling and scaling of tile is eliminated.

Recommended For:

1. Concrete Tile 2. Clay Tiles 3. Any Concrete Structures

Limitations:

- Air and surface temperatures must be above 40°F during 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.
- Do not apply on wet tile surfaces.

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

TECHNICAL DATA:

| | |
|---------------------------------------|--------------------------------|
| Appearance | Milky |
| Odor | None |
| Weight | 8.5 lbs. per gallon (approx.) |
| Carrier | water |
| Composition | Aqueous silane/siloxane |
| Active Solid | 12% by weight (approx.) |
| VOC Content (EPA Method 24) | Less than 170 gams/liter |
| Average Depth Penetration | 0.15" depending upon substrate |

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|---|---|
| Water Absorption Test (ASTM C642-82) (OK. DOT. STD.) | 0.52% / 48 hrs. |
| Scaling Resistance Test (ASTM C672-84) | 0 rating "No Scaling" |
| Yellowing | None |
| Water Permanence Test of Masonry (ASTM E514-86) Percentage reduction of leakage. | 99.8% (min.) |
| Moisture Vapor Transmission Rate (ASTM E96-90) | 48 grams (Ft. ² / 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. Do not apply when rain is predicted within 24 hours.
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. Store at room temperature (68°F).

Coverage Rate:

| | |
|--------------------------|-------------------------|
| Concrete Tiles | 125 - 150 sq.ft. / gal. |
| Clay Tiles | 150 - 200 sq.ft. / gal. |

Life Expectancy:

PRICE ROOF TILE SHIELD should be reapplied every 3 to 5 years for continuous protection and maintenance. This will depend upon the amount of rain and conditions according to local weather.

AVAILABILITY AND COST:

Please contact Price Research, Ltd.
Phone: (816) 924-5955 or www.priceresearchltd.com

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 or email info@priceresearchltd.com.