



**PRICE RESEARCH, LTD.**  
 3511 Stadium Drive  
 Kansas City, Missouri 64129  
 Phone (816) 924-5955  
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# PRODUCT DATA

## PRICE SILANE — 100 WOR Water and Oil Repellant

**PRODUCT NAME:** PRICE SILANE — 100 WOR  
(Water and Oil Repellant)

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

### PRODUCT DESCRIPTION

#### Basic Use

PRICE SILANE — 100 WOR is a deep penetrating sealer designed to protect concrete surfaces, decks, brick masonry, pavements, parking structures, ramps, bridges, marine platforms, etc.. PRICE SILANE — 100 WOR protects against corrosive adverse effects or de-icing salts (chloride screen) moisture, weathering, spalling and scaling of concrete structures. PRICE SILANE — 100 WOR is specially recommended for protection against food oil (oleophobic), grease, lipstick, paints and other resinous materials.

#### Composition & Materials

PRICE SILANE — 100 WOR is composed of organofunctional Alkyl Alkoxy Silane.

#### Features

**1.** Provides excellent chloride screen. **2.** Extremely high alkali resistance. **3.** Dries tack-free and skid-resistant. **4.** Long lasting protection for new as well as old concrete surfaces. **5.** Spalling and sealing of concrete is eliminated. **6.** Easy to maintain. **7.** Protects against oil (oleophobic) and water. **8.** No surface buildup or gloss. **9.** High degree of vapor transmission. **10.** 100% active and deep penetrating.

#### Recommended For

- Any Concrete Structures • Parking Structures • Lane Barriers • Bridges • Ramps • Marine Platforms
- Kitchens • Restaurants • Shopping Centers • Food Courts • Driveways • Amusement Parks • Zoo
- Sports Arenas

#### Excellent For

- Brick Masonry • Concrete Masonry • Brick and Concrete Pavers • Tiles • Stone • Terrazzo • Limestone
- Marble

#### Limitations

**1.** Not suitable for asphaltic surfaces. **2.** Not recommended to be used at or below 40°F temperature. **3.** Test all surfaces for suitability. **4.** It has excellent adhesion to glass surfaces. **5.** Keep off glass surface or clean it immediately. **6.** Will not bridge gaps, cracks and structural defects. **7.** Recommended to be used between 40°F to 90°F air and surface temperature.

### TECHNICAL DATA

|   |               |
|---|---------------|
| Form . . . . .  | Clear liquid. |
| Specific gravity . . . . .                                | 0.9           |
| Flash point . . . . .                                     | 75°F          |
| Wt/gal . . . . .  | 7.5 lbs.      |
| pH . . . . .  | None          |
| Moisture vapor transmission rate (ASTM E 96-90) . . . . . | 48 gms.       |

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|                                |                         |
|--------------------------------|-------------------------|
| V.O.C. Content (EPA Method 24) | Less than 170 gms/liter |
| Permeability (ASTM D-1653)     | Min. 80% breathable     |
| Efflorescence (NBS - 883)      | Highly resistant        |

**DIRECTIONS FOR USE:**

**New Concrete**

Surface should be well cured using water, wet burlap, polyethylene or curing paper. Surface should be free of all dust, debris, oil and tar. All joint sealant and caulks and patching should be in place before applying PRICE SILANE — 100 WOR.

**Old Concrete**

Remove dirt, dust, tar, oil, etc. with pressure wash and PRICE NON-ACID MASONRY CLEANER. Membrane of any kind should be removed.

**APPLICATION: TEST FIRST**

**Equipment**

Roller, brush or low pressure sprayer.

**Horizontal Surfaces**

Flood surface using low pressure sprayer (airless sprayer 10 psi to 20 psi), roller, brush or broom. Broom or squeegee PRICE SILANE — 100 WOR around for even distribution. Let the surface absorb the PRICE SILANE — 100 WOR solution and follow-up immediately with a second application before the surface dries. Redistribute any puddles or free standing material.

**Vertical Surfaces**

Apply by sprayer, roller or brush in two applications from bottom up. Be sure to apply "wet on wet" method as described for horizontal surface. For vertical surfaces let the material run down 5 to 20 inches saturating the surface from contact point of spray. Follow up with second application before surface dries.

**COVERAGE RATE**

Exact coverage will depend upon porosity of surface and density

| <u>Substrate</u>  | <u>Sq. Ft. Per Gallon</u> |
|---|---------------------------|
| Brick Masonry . . . . .   | 250 to 400 sq.ft.         |
| Concrete Masonry . . . . .  | 200 to 500 sq.ft.         |
| Stones (Limestone, Marble, Sandstone,<br>Granite, etc.) . . . . . | 300 to 500 sq.ft.         |
| Terrazzo . . . . .  | 300 to 500 sq.ft.         |

**Clean Up**

Use mineral spirits or xylene to clean tools and equipment.

**Precautions:**

- Use in well ventilated areas only.
- Do not dilute or alter the PRICE SILANE — 100 WOR.
- Protect glass, metal and other non-masonry surfaces from over spray.
- Do not use at temperature below 40° F (4°c).
- Do not use over curing membrane.
- PRICE SILANE — 100 WOR initial cure will be in 16 to 24 hours. Maximum cure will require up to 7 days.

**AVAILABILITY AND COST**

Please contact Price Research, Ltd. by calling (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 Service.