



# WATER STOP S

## PRODUCT DESCRIPTION

Water Stop S Siloxane is a ready to use, penetrating, colorless, non-yellowing, and breathable concrete and masonry water repellent treatment compound. Once applied, Water Stop S Siloxane chemically reacts with the substrate and forms long life water repellent groups that cross link into a polysiloxane compound. Surfaces treated with Water Stop S Siloxane are protected against the damaging effects of water intrusion, de-icing chemicals, freeze-thaw exposure, acid rain, airborne impurities and most other atmospheric chemicals without altering the appearance or texture of the treated substrate. Water Stop S Siloxane is formulated to protect vertical above grade concrete and masonry surfaces such as precast, shotcrete applications, tilt up and monolithic concrete, concrete block, stone and brick masonry, as well as protecting horizontal concrete wearing surfaces. Water Stop S Siloxane is for exterior use only.

## FEATURES & BENEFITS:

- Excellent water repellency and depth of penetration
- Ideal for natural finish – will not darken substrate
- Excellent resistance to chloride attack
- VOC compliant formula

## COMPOSITION

Oligomeric alkylalkoxy siloxane in aliphatic / VOC compliant blended carrier solvent.

## PHYSICAL DATA (AT 70°F / 21° C)

Color / Odor Clear Solution / Ketone Solvent

Weight per Gallon 6.91 lbs (± 0.10)

Percent Solids (Actives) by Weight 11.50% (± 0.50)

Flash Point 43° F / 6.1° C

VOC Content (% Volatiles) per EPA Method 395 g/L (3.29 lbs / gal)\*

\*Contain less than 400 g/L (3.33 lbs/gal) volatile organic compounds. Meets existing VOC (VOM) regulations for Waterproofing Concrete and Masonry Sealers under the EPA's Ozone Transport Committee (OTC) Industrial Maintenance Coatings listings for most states excluding California (CARB, and SCAQMD).

Federal Specification SS-W-110C	Requirement	Treated	Untreated
Water Absorption Test	1% max	0.2%	8.6%
NCHRP 244 Series II	Requirement	Treated	
% Reduction Chloride Ion	75%	92%	
% Water Vapor Transmission	100%	102%	

## COVERAGE

The following coverage rates are approximate and for estimating purposes only. Ozinga recommends that a test application is made on the actual surface to be treated to accurately determine coverage rates, effectiveness and influence on surface appearance.

Concrete - Bridge Decks / Ramps	150 - 200 ft <sup>2</sup> /gal
Cast Stone	75 - 125 ft <sup>2</sup> /gal
Concrete - Smooth	150 - 250 ft <sup>2</sup> /gal
Natural Stone	50 - 100 ft <sup>2</sup> /gal
Concrete - Block	50 - 100 ft <sup>2</sup> /gal
Precast Paver Block	150 - 200 ft <sup>2</sup> /gal
Clay Brick - Porous	60 - 120 ft <sup>2</sup> /gal
Stucco	75 - 100 ft <sup>2</sup> /gal
Clay Brick - Dense	100 - 120 ft <sup>2</sup> /gal
Artificial Stone	50 - 100 ft <sup>2</sup> /gal

#### DIRECTIONS FOR USE

Allow new concrete to cure approximately 28 days before applying Ozinga Water Stop S. Do not thin Ozinga Water Stop S. Surfaces to be treated must be structurally sound, dry, clean and free of all contaminants that will prevent the penetration of Ozinga Water Stop S. Repair all cracks, voids or surface defects and install caulking or joint sealant prior to applying Ozinga Water Stop S. Ozinga Water Stop S is best applied on large areas using low pressure airless spray equipment. For small areas, a garden sprayer with neoprene hose and gaskets is suitable. Alternative methods by roller or brush can be used where sprayers are not available or overspray is a concern. When spraying, the tip should be no smaller than .035, and depending upon the spray equipment used, a larger orifice size may be necessary to produce the proper material flow. Start at the top of the wall and work downward using uniform, overlapping horizontal strokes. Fog the surface with a light spray to break the surface tension. Immediately follow with a flood coat before the mist coat dries. Apply sufficient material to cause an 8 to 10 inch run down from the point of contact. To prevent curtaining on white or light colored materials, apply Ozinga Water Stop S in several fog coats to the point of saturation with no run down. Apply two coats of Ozinga Water Stop S to materials having low density or high permeability such as concrete block. Allow proper drying time between coats, 12 to 24 hours. On horizontal surfaces apply Ozinga Water Stop S in a continuous heavy flood coat to the point of saturation. Do not allow material to puddle. Clean equipment with an appropriate compliant solvent immediately after use.

#### CAUTIONS

Surface appearance obtained on concrete is dependent on both moisture content and density of substrate. Do not apply to wet surfaces or if rain is expected within 24 hours. Applying Ozinga Water Stop S on damp concrete can result in a mottled or darkened surface with uneven color distribution due to variances in penetration. On dense, steel troweled concrete surfaces, Ozinga Water Stop S may dry slightly non-uniform, exhibiting a darker, mottled appearance depending on absorption capacity of the substrate. On porous broom finished concrete surfaces, this condition is not as prevalent. A test application is always recommended before using to verify acceptable appearance and performance on questionable surfaces. Do not apply Ozinga Water Stop S to frozen or frost filled surfaces or in temperature below 40° F. Protect asphalt, plastic and rubber surfaces. All windows and air intakes should be closed during exterior application to prevent intake of fumes. All food and drink products should be protected from the product application and vapors. When applied to very absorbent substrates and in cooler weather, the vapor of the carrier gravitates to the inside of the structure. There should be no building occupancy prior to the removal of the vapors with a positive ventilation system. People with medical conditions and that are pregnant should not be exposed to vapors or fumes. Do not use compressed air to force the material from the drum.

#### WARNINGS

Ozinga Water Stop S contains petroleum distillates and is classified as a flammable liquid. Keep away from heat, sparks, and open flame. Avoid ingestion, skin and eye contact and inhalation of the spray mist. Provide adequate ventilation during use. Use with OSHA/NIOSH approved eye protection and air (vapor) respirator. Refer to product SDS (Safety Data Sheet) for further health and safety information. Read all technical information including label, SDS and data sheets before use. Make sure that the application is static free. Empty containers may contain explosive vapors that are heavier than air. Keep containers closed. Do not cut or weld on or near empty containers. Keep away from food and drink. Do not take internally. **FOR INDUSTRIAL USE ONLY. KEEP AWAY FROM CHILDREN. DO NOT DILUTE OR THIN.**

#### HMIS CODES

HEALTH = 2, FLAMMABILITY = 3, REACTIVITY = 0, P. PROTECTION = 4

#### SHIPPING NAME

Paint Related Material, 3, UN1263, Packing Group II

#### SHIPPING CLASS

ITEM 155250, SUB 2, LTL 65 - Concrete Water Repellent

#### SHELF LIFE

2 years in unopened container, properly stored at room temperature

#### LIMITED WARRANTY

This product is warranted to be of merchantable quality when used according to the instruction herein. It is not warranted to be suitable for any purpose or use other than the general purpose for which it is intended. Liability under this warranty is limited to the replacement of the product as purchased, if found to be defective upon inspection by the manufacturer. This limited warranty is issued and accepted in lieu of all other expressed warranties and explicitly excludes liability for consequential damages. Buyer assumes all risk and liability resulting from the use of this product.

#### FOR CHEMICAL EMERGENCY

Spill, Leak, Fire, Exposure or Accident call Infotrac - Day or Night

(800) 535-5053

Outside the United States, call Collect 1 (352) 323-3500

#### Warning!



Highly flammable. Suspected of causing cancer. Toxic to aquatic life with long lasting effects. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. May be harmful if swallowed and enters airways. Causes skin irritation. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ ventilating/ lighting/ equipment. Use only non-sparking tools. Take action to prevent static discharges. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash face, hands and any exposed skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. IF exposed or concerned: Get medical advice/attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. If skin irritation occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contacts, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. IF SWALLOWED: Immediately call a POISON CONTROL CENTER/doctor. DO NOT induce vomiting. Take off contaminated clothing and wash before reuse. In case of fire use, "alcohol resistant" foam, dry chemical, halon or carbon dioxide to extinguish. Collect spillage.