

TUF-TOP

HOLD OUT

ALL PURPOSE MILDEW INHIBITOR AND WATER REPELLENT
FOR
CONCRETE AND MASONRY
HEAVY-DUTY PERFORMANCE
WATER-BASED
22-XX

DESCRIPTION

TUF-TOP **HOLD OUT** is a **water-based** liquid that will render **water** repellency to most concrete and masonry surfaces. **HOLD OUT** penetrates and chemically reacts on and below the surface of the concrete to form a breathable barrier that will retard moisture intrusion, and inhibit Mildew, Mold, and Algae growth without the use of toxic biocides. **HOLD OUT** will also provide moderate resistance to oil and grease.

USES

- CONCRETE AND MASONRY
- MORTAR
- CONCRETE PAVERS
- STUCCO

SPECIAL PROPERTIES

- **INHIBITS MILDEW, ALGAE, AND WATER PENETRATION ON CONCRETE & MASONRY SURFACES.** Other water repellents are just that, water repellents. **HOLD OUT** both repels water and inhibits bio-growth on concrete, stone, and masonry.
- Chemically reacts and cross-links with wood fibers, concrete, stucco, pavers, roof tiles, and other concrete, masonry, and stone products to form a water repellent substrate. Will not weather and wash away as many other sealers do. The water-beading effect will dissipate over time, with wear, however the integrity and repellent properties will remain.
- Retards mold and mildew from forming on roof tiles, concrete walks, and driveways.
- Keeps decks, walks, driveways and tile roofs cleaner for a longer period of time. Because water cannot penetrate the surface, dissolved dirt and other materials cannot penetrate. Wind and rain may then wash the dirt off because it has not been able to attach to the surface.
- Inhibits surfaces from staining. Because nothing can penetrate deep into the substrate, stains can be more easily and thoroughly cleaned.
- Meets ASTM C-309.

PREPARATION

- For new wood, concrete, masonry, mortar, bricks, etc., no special preparation is necessary other than making sure the surface is bare and not painted or sealed, as well as free from mill glaze, dirt, mildew, algae, waxes, mold release chemicals, or efflorescence that may inhibit the penetration of **HOLD OUT**. Pressure washing will provide the best results. For older concrete, mortar, stone, etc., the surface must be free from dirt, oil, grease, efflorescence, and mildew. Scrub with detergent or treat with bleach as needed, then rinse thoroughly. Again, pressure washing will provide the best result. Please note that **HOLD OUT** may actually link to and pull some oils, grease and other contaminants out of concrete shortly after application. If this occurs, you may not get your desired waterproofing properties and will need to apply a second coat.

* A TEST PATCH IS RECOMMENDED TO CHECK FOR COMPATIBILITY AND EFFECTIVENESS

APPLICATION

Shake or stir thoroughly before application

- Apply one moderate, wet coat. Remove any material that has not penetrated within 1-2 minutes
- Apply with garden (hand pump) type sprayer, roller or brush. Do not use airless or any other type of sprayer. DO NOT ATOMIZE. Apply in the form of droplets, no mist.
- Apply only when air and surface temperature are between 40° F and 100° F.
- On vertical surfaces, apply from the bottom up.
- ***On horizontal surfaces, take care not to cause puddling by over-application. Roll out any puddle areas remaining after 1-2 minutes.***

MAINTENANCE

- To provide full water and mildew resistance, the surface must be kept clean and free of accumulated dirt, mulch, leaves and other organic materials.

DRYING TIME

- Normally dries in 2-4 hours and cures in 24 – 72 hours, depending upon application, substrate and environmental conditions. Low temperatures and high humidity can extend the drying and curing time.

LIMITATIONS

- Do not apply when air or surface temperatures are below 40°F (10°C) or are expected to fall there before the sealer can dry.
- Do not apply to a wet surface
- Do not apply when it may rain before ***HOLD OUT*** will have a chance to dry.
- Do not allow to freeze. Store above 32°F (0°C).
- Do not allow contact with glass or aluminum or glazed tile--wipe off immediately with damp cloth or etching may result.
- ***Do not apply to painted or sealed surfaces, Ceramic Tile or any other polished or non-porous surface.***
- Do not apply with conventional or airless spray, do not atomize. Brush, Roll or pump-type garden sprayer
- ***HOLD OUT*** will not withstand Hydrostatic pressure, and is a breathable system. Do not use in areas that retain or hold water.

TECHNICAL DATA

COVERAGE	150-275 sq. ft./gal depending on porosity and texture of substrate
DILUENT	Water - Do not dilute
CLEAN-UP	Soap and Water
ODOR	None
APPEARANCE	Water Clear -- dries invisible
LIGHT STABILITY	Excellent
DURABILITY	Excellent
WATER RESISTANCE	Excellent
EPA AIM CATAGORY	WATER REPELLENT SEALER
V.O.C	255 gpl / 2.13 Lbs/gl.

This product will inhibit most common staining elements, but should not be considered "stain proof". If certain staining elements are to be encountered commonly, a test should be made to determine the suitability of this product for the intended use. It is the owner or applicators responsibility to determine the suitability of this product for its intended use, and assumes all risks and liabilities in connection therewith.

CAUTION: DO NOT TAKE INTERNALLY. CLOSE CONTAINER AFTER USE. KEEP OUT OF THE REACH OF CHILDREN.

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