

# WR-25

## SILOXANE WATER REPELLENT

### 23-10X

#### DESCRIPTION

TUF-TOP "WR-25" is a solvent based siloxane water repellent designed to render water repellency to old and new masonry. It provides a long lasting, breathable barrier which exhibits excellent resistance to water, airborne dust and dirt, acid rain, salt, efflorescence, freeze/thaw damage and spalling. Provides a wet look to bare, uncoated, concrete pavers with little to no film build or gloss.

#### USES

- MOST MASONRY SURFACES
- CONCRETE
- CONCRETE PAVERS
- STUCCO
- BRICK
- SPLIT-FACED AND FLUTED BLOCK
- MORTAR
- ROOF TILE
- BRIDGE DECKS

#### LIMITATIONS

- Not for use below grade.
- Not for use on marble, limestone, or other forms of calcium carbonate.
- May inhibit over-coating.
- Will not "bridge" cracks or spaces wider than 0.2mm.
- Do not apply at temperatures below 45°F.
- WR-25 will not inhibit water penetration through cracked, or unsound surfaces, or surfaces with defective flashing, caulking, or structural water proofing design.

#### PREPARATION

- Surface to be sealed should be clean and dry. Remove all dirt, grease, oil, wax, mildew, excessive chalk, and all efflorescence from the surface.
- High-pressure washing (3000 + psi.) is recommended to remove dirt and open up the pores of the concrete.
- Effort should be made to repair all loose and/or missing mortar, flashing, vapor barriers, expansion joints, etc.

#### APPLICATION

- Apply by flood coat, using a low pressure pump sprayer or power roller, **DO NOT ATOMIZE**. Best results are obtained when the product is applied in the form of droplets rather than mist.
- Surfaces must be "flooded/saturated" to insure adequate penetration into the surface. Remove all excess or puddled material remaining after 5 minutes.
- On vertical surface back-rolling with a wet roller cover will help to remove excess sealer and ensure even coverage.
- Vertical block and brick must be saturated with the material at the proper coverage rate in one coat. A light mist coat may be applied as a second coat if the sealer looks uneven.
- This material relies on depth of penetration for best results. If the material is not applied at the proper coverage and is allowed to dry, the material must be re-applied at the proper square footage, and not "touched up".

## TECHNICAL DATA

- Specific gravity: 0.82
- Weight per gallon: 6.63
- Volume solids: 25%
- Weight solids: 23.37%
- Flash point: 80°F
- Full cure: 7-10 days

## DRYING TIME

- To touch: 3 hours
- Re-coat: overnight
- Cure: 7-10 days

## CLEAN UP

- Mineral Spirits or Xylene

## APPLICABLE STANDARDS: MEETS OR EXCEEDS THE FOLLOWING

- SS-W-110C
- TT-C-555b
- ASTM 96-66
- ASTM G23F
- NCHRP-244

## COVERAGE \*\*

Substrate	Sq. Ft. per Gal.
• Smooth or precast concrete	125 - 175
• Porous concrete	100 - 150
• Split faced block	50 - 75
• Fluted block	25 - 50
• Concrete block	80 - 100
• Brick	100 - 150
• Roof tiles	75 - 125

**\*\* A mock up area should be applied and tested with a Rilem tube to determine exact coverage rate needed to achieve Water Repellency. Contact Tuf Top for details/instructions**

## COLORS

**WR-25** is a clear, minimal film forming finish, upon which evaporation and curing will leave little trace of its presence. A darkening, or wet look, may occur over colored concrete or pavers.

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

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