



## Technical Data Sheet (TDS)- Active Elements – Water Repel 101

Active Elements - Water Repel 101 is a water-based silane-siloxane product for porous construction materials such as concrete, bricks, blocks, stones, and mortar. It forms an invisible protective barrier that bonds to the unsealed concrete stone or masonry surface. Active Elements - Water Repel 101 impregnates and chemically reacts with masonry or cement-based materials to provide hydrophobicity and reduce water ingress in treated materials. Active Elements - Water Repel 101 does not add thickness nor is it a topical sealer. It will not make the surface glossy or change the appearance of the product to which it is applied. Active Elements - Water Repel 101 is solvent-free with small molecular structure silanes to impregnate the substrate. The silanes react chemically and bond with the substrate which produces a durable hydrophobic treatment.

- *Penetrates, Bonds & Seals*
- *Resists UV, Salt, Mold & Mildew*
- *No Peeling, No Hot Tire Pick-Up*
- *Horizontal & Vertical*
- *Interior & Exterior*
- *Ideal for Residential or Commercial Concrete and Masonry*

### USES

Construction materials post-treated with Active Elements - Water Repel 101 are resistant to capillary absorption of water and all the dissolved products that the water carries. Active Elements - Water Repel 101 is an excellent choice for the protection of concrete in harsh winter climates where salt and ice melt chemicals are commonly used.

For use on:

- Concrete Floors & Walls
- Sidewalks
- Patios & Porches
- Precast Concrete
- Brick
- Pavers
- Interior
- Exterior
- Exposed Aggregate
- Block
- Stone
- Unglazed Tile
- Terra Cotta
- Grout
- Sandstone

### SURFACE PREP

Do not apply to painted or stained surfaces. Make sure all cure and seal compounds have been removed. Cover windows, doors, etc., prior to application. Use caution when applying on windy days. Remove any overspray immediately with water.

- *Exteriors:* Scrub surface with Active Elements - Degrease and pressure wash.
- *Interiors:* Scrub surface with a black pad and Active Elements - Degrease using a floor machine.

## APPLICATION

**Do not Dilute – The sealer is packaged as a ready-to-use material**

!!! Protect all surfaces around the application area from overspray!!!

Using a pump sprayer with a fine tip, apply Active Elements - Water Repel 101 in a sufficient amount to wet the concrete surface. Do not excessively apply for it will leave puddles. For maximum effect, it is preferred to apply 1 medium coat, then after the surface is no longer “milky” looking but still damp, apply a second light coat. Back rolling with a 3/8 nap roller may be necessary on steep grades to keep Active Elements - Water Repel 101 from running.

*On vertical surfaces, apply Active Elements - Water Repel 101 with a brush & 3/8 nap roller or HVLP sprayer.*

## DRY TIMES

Re-Coat – when the surface is no longer “milky” but still damp. (10 - 60 min )

Light Foot traffic – 12 Hours

Vehicle Traffic – 24 Hours

Full Cure / Maximum effectiveness – 7 days

## COVERAGE

200-400 square feet per gallon based on surface porosity.

\* In hot dry climates it is recommended to slightly dampen the concrete surface with water prior to the application of Active Elements - Water Repel 101

## SAFETY PRECAUTIONS

Water Repel 101 will release small amounts of ethanol during curing. Use only in well-ventilated area and extinguish all sources of ignition.

CAUTION: WARNING! IRRITANT! HARMFUL IF SWALLOWED. MAY CAUSE EYE, NOSE AND THROAT IRRITATION. AVOID CONTACT WITH SKIN AND EYES AND AVOID BREATHING OF VAPORS AND SPRAY MIST. WEAR EYE PROTECTION AND PROTECTIVE CLOTHING. To avoid breathing vapors open windows and doors or use other means to ensure fresh air entry during application and drying. FIRST AID: For Eye Contact: Flush with water for 15 minutes. For Skin Contact: Prolonged contact may cause irritation. Wash the affected area with soap and water. If Swallowed: Do not induce vomiting – seek immediate medical attention. Inhalation: If headache or nausea is experienced, remove the individual to fresh air. If symptoms persist, seek medical attention. CAUTION: KEEP OUT OF REACH OF CHILDREN – DO NOT TAKE INTERNALLY

## LIMITATIONS

Water uptake of cement-based material under constant hydrostatic pressure cannot be reduced by the use of *Active Elements - Water Repel 101*. Do not apply when the temperature of the surface to be coated is less than 50°F (10°C) or when the temperature is expected to drop below 50°F (10°C) within 24 hours. Do not apply in wet or rainy conditions or if rain is forecast within 24 hours.

KEEP FROM FREEZING: Do not store at temperatures below 50°F (10°C).

## Warranty

This warranty is made in lieu of all other warranties, either expressed or implied. Before application the User shall determine the suitability of the product for his/her intended use and User assumes all risks and liabilities whatsoever in connection therewith. Neither seller nor manufacturer has any knowledge or control concerning the purchaser’s use of this product and no warranty is made as to the results of any use. The Manufacturer and/or Seller warrants that if any goods supplied prove defective in material the sole obligation shall be to replace said product. Any claim of defective product must be received in writing within one (1) year from date of shipment. Neither Manufacturer nor Seller shall assume any liability for injury, loss, or damage resulting from use of this product.

DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN.