



# Technical Data Sheet (TDS) - Active Elements – ReSurface

## INTERIOR & EXTERIOR USE

Base Colors – Grey & White

### PRODUCT

Active Elements - ReSurface is a semi-self-leveling polymer cement coating for stable concrete surfaces. Formulated for a smooth application with a Magic Trowel™ or fine squeegee. It transforms damaged, worn, or unsightly concrete into a fresh new surface. The proprietary blend of ingredients gives Active Elements -ReSurface exceptional durability and the tenacious holding power needed to eliminate delamination, peeling, and flaking. Exterior surfaces can be broom-finished to give texture and anti-skid properties.

### COVERAGE PER 25 LB BOX

Thin Textured application	1/32" thickness using a Magic Trowel™	100 SF
Smooth Coat application	1/16" thickness using a Magic Trowel™	50 SF
Heavy Coat application	1/8" thickness using a Magic Trowel™	25 SF

\*\* Do not exceed 1/8" thickness per coat/application.

### TOOLS & SUPPLIES

Supplies: clean bucket, low-speed drill with mixing paddle, spikes

Application tools: Magic Trowel™, pool trowel, margin trowel

### SURFACE PREPARATION

Surface and ambient temperatures should be between 50°F and 90°F during application and curing.

The coating must remain above freezing for a minimum of 48 hours after application.

Contaminants and curing agents must be completely removed. Failure to remove all contaminants can result in loss of adhesion. Concrete must reach at minimum a surface texture resembling 220 grit sandpaper.

### INTERIOR SMOOTH FINISHED SURFACES:

Option A > Diamond Grinding -- use 80 – 150 grit metal bond diamonds to roughen the top surface.

Scrub the surface using Active Elements - Degrease, vacuum, and rinse.

Option B > Chemical Etch – if needed, remove oil and grease using Active Elements - Degrease, scrub, and rinse.

Apply Active Elements - Surface Etch at a dilution ratio of 4 parts water to 1 part Surface Etch. Scrub in with a stiff bristle broom.

When the fizzing action stops, apply Active Elements - Neutralize (dilution of 8 oz in 5 gallons water) using a stiff bristle brush or broom to scrub in the neutralizing solution then rinse with water.

Do not allow the Active Elements - Surface Etch solution to dry on the concrete prior to neutralizing. If a more porous surface is needed, repeat the Active Elements - Surface Etch application process.

### EXTERIOR BROOM FINISHED SURFACES:

1. If needed, remove oil and grease using Active Elements - Degrease.
2. Pressure wash and rinse.
3. Apply Active Elements - Surface Etch at a dilution ratio of 4 parts water to 1 part Surface Etch. Scrub in with a stiff bristle broom.
4. When the fizzing action stops, apply Active Elements - Neutralize (dilution of 8 oz in 5 gallons water) using a stiff bristle brush or broom to scrub in the neutralizing solution then rinse with water.
5. Do not allow the Active Elements -Surface Etch solution to dry on the concrete prior to neutralizing. If a more porous surface is needed, repeat the Active Elements - Surface Etch application process.
6. Pressure wash.

\*\*\*Dispose of all wastewater in accordance with local, state, and federal regulations.



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## HOLES & PATCHING

Fill all holes deeper than 1/16" with Active Elements – Fast Patch and allow to cure 30 minutes prior to coating the entire floor with Active Elements - ReSurface.

## MIXING

Measure 4 quarts of clean water and pour into a clean mixing bucket. Gradually add the dry mixture while mixing using a low-speed drill equipped with a smooth-sided mixing paddle. Mix thoroughly so that no lumps or dry powder remain.

Up to an additional quart of water can be added to reach the desired consistency.

Allow to stand 5 minutes then remix.

Always mix on low speed... high-speed mixing will entrain air bubbles into the mixture.

## ACTIVE ELEMENTS – INTEGRAL COLOR

When using an Active Elements -Integral Color pack, add the color pack contents to the water in the mixing bucket before adding Active Elements - ReSurface.

## APPLICATION

Apply a light mist of clean water to the concrete surface. Do not allow the water to puddle. The dampening of the slab keeps the concrete from pulling the water from the Active Elements - ReSurface mixture. Premature drying or water loss will result in a low-strength, cracked, and or crusty coating.

## CURE RATE / DRYING TIME

Thickness of application, temperature, and humidity will affect the cure rate. The surface will exhibit a uniform appearance when dry. Approximate dry times: 12 hours to re-coat, 24 hours to stain. Full cure 3-7 days.

## CLEAN UP

Use water to immediately and completely clean all tools that come in contact with Active Elements - ReSurface. Dispose of wastewater in accordance with federal, state, and local regulations.

## LIMITATIONS

Active Elements - ReSurface is for use on stable concrete, it will reflect moving cracks and expansion joints.

Prepare a sample for owner approval prior to application. As with other cement and masonry products, Active Elements - ReSurface will stain and tire mark if left unsealed. It is the sole responsibility of the property owner and/or applicator to determine the suitability and safety of this product.

## SANDING

If a smooth surface is desired the top surface of Active Elements - ReSurface can be wet sanded using a floor machine and black pad or sanding screen. Dry sanding is ineffective.

## STAINING

- Surfaces to be stained must be clean and free of all dirt and contaminants.
- Active Elements - ReSurface must cure for a **minimum** of 24 hours prior to staining. The surface will exhibit a uniform appearance when dry.
- Active Elements- Concrete Acid Stain **must be diluted** with a minimum of 1 part water to 1 part stain. The surface may blacken if the stain is not properly diluted. Test a sample area prior to staining the entire surface.
- Follow label directions and technical data sheets for stain application.
- **Color may vary from color chart. Prepare a test section for customer approval.**



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## **STORAGE & SHELF LIFE**

Keep away from children.

Avoid freezing temperatures and excessive heat. Protect from moisture.

Unopened containers may be stored for up to one year from the date of manufacture.

## **SAFETY**

Wear protective respiratory gear when handling dry portions of Active Elements - ReSurface. Avoid contact with eyes and prolonged contact with skin. Active Elements - ReSurface contains silica and Portland cement. Portland cement can cause alkali burns. Use with adequate ventilation. When using in confined or limited ventilation areas, use a respirator to protect against breathing vapors and particles.

Use proper safety apparel including but not limited to gloves, eye protection, respirator, and protective clothing.

## **FIRST AID**

- Eyes—Do not rub eyes. Flush immediately with water holding eyelids apart.
- Skin—Wash affected areas thoroughly with soap and water
- Inhalation—Move to fresh air. If symptoms persist, seek medical attention
- Internal—Contact a physician immediately.

## **Warranty**

The Manufacturer and/or the Seller warrants that if any goods supplied prove defective in workmanship or material, that Manufacturer and/or Seller shall replace them or refund the purchase price. This warranty is made in lieu of any and all other warranties expressed or implied. Before application, the User shall determine the suitability of the product for his intended use and User assumes all risks and liabilities whatsoever in connection therewith. Under no circumstances shall the Manufacturer and/or Seller be liable for incidental, consequential or other damages for alleged negligence, breach of warranty, or strict liability arising out of use or handling of this product. The sole liability of Manufacturer and/or Seller for any claims arising out of the use or sale of the product shall be for the User's purchase price. Any claim of defective product must be received in writing within one (1) year from date of shipment.

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