

# Technical Data Sheet (TDS)

## Active Elements™ – TrueSeal 400S

[www.UBQind.com](http://www.UBQind.com)

Active Elements™ – TrueSeal 400S is a high-quality, 400 VOC, solvent based sealer designed for decorative concrete projects. It is a tough acrylic methacrylate blended polymer that produces coatings with excellent gloss, stain-resistance and are easy to clean. Adhesion to properly prepared concrete surfaces is excellent and the material is non-yellowing. Active Elements – Solvent Seal 400S is fortified with a dual functioning HALS + UV absorber additive for maximum color protection. For next level protection from salt, chlorine and chemical attack; TrueSeal 400S contains a multifunctional silane additive to reject chemical attack and promote adhesion and crosslinking.

### Coverage - 100-200 square feet per gallon.

Coverage variations depend on concrete surface porosity and amount of material applied.

### Drying Time

Dry to touch: 15-40 minutes

Recoat: 30-40 minutes

Light Foot Traffic: 3 hours

Heavy Traffic: 48-72 hours

Dry times are for 75 degree (F) temperatures and medium humidity, lower temperatures will slow drying and curing time. Do not apply if rain is expected within 3 - 6 hours.

### Physical & Performance Properties – (Testing conducted by independent lab)

Solids Content, by Weight (ASTM D2369).....28%

Volatile Organic Compounds (non-exempt).....396 grams/liter

60 Degree Gloss (ASTM D522).....98%

Pencil Hardness (ASTM D3363).....4H

Flexibility (ASTM D522).....>33% elongation

Impact Resistance (ASTM D2794).....42 inch-lb

Abrasion Resistance (ASTM D4060).....Wear index = 247

### Surface Preparation

Concrete must be clean and free of dirt, dust, oil, grease, mold and mildew, and any other contaminants.

Acid stained concrete must be neutralized, thoroughly cleaned, and dry prior to sealing.

Pigment stained concrete must be completely cured prior to sealing.

All new concrete should be allowed to cure for a minimum of 28-45 days, or until a pH reading of 10.5 or less is achieved. Concrete must be completely dry prior to sealer application. It is strongly recommended that a surface probe moisture meter be utilized to verify the surface is dry. After visually determining the concrete is dry, test a minimum of 10 different areas of the concrete with the moisture meter. Pay special attention to cracks, control joints, and slab edges.

### Application Tools

Pump sprayer, Airless sprayer or Roller & Brush

### Thinning

Scratch Coat – When applying to bare concrete, apply a “scratch coat” consisting of 1 part TrueSeal 400S & 1 part TrueSeal Thinner to ensure deep penetration and reduction of bubbling due to out-gassing.

TrueSeal Thinner can be used to prepare the material for spray application.

Add 1-2 quarts of TrueSeal Thinner per 1 gallon of sealer, based on thickness of coating desired.

## **Preferred Method – Spraying**

When spraying, protect surroundings with masking paper, masking plastic, or spray shield. Always use a filter when pouring TrueSeal 400S into a sprayer. Use only high quality industrial grade solvent resistant spray equipment. Concrete surface temperature must be between 50 - 90 degrees (F).

If rolling TrueSeal 400S, work material into a wet edge, and avoid excessive back rolling. When applying two coats, roll the second coat perpendicular to the first.

## **Clean Up**

Tools can be cleaned with TrueSeal Thinner.

## **Storage and Shelf Life**

Do not allow to freeze. Shelf life of unopened product is approximately one year.

Keep away from heat, sparks & flame. Vapors may cause fire.

## **Safety**

Always use appropriate safety equipment including but not limited to, goggles, face shield, rubber gloves, chemical resistant clothing or apron, and chemical respirator. For exterior use only.

**INHALATION:** Vapors may cause dizziness, headaches, or nausea. Immediately move to fresh air. Seek medical attention.

**EYES:** Contact with eyes can cause severe burning, irritation, and blurred vision. Flush with water. Seek medical attention.

**SKIN:** May cause severe irritation and or chemical burns. Wash with soap and water. Seek medical attention.

Keep out of reach of children.

Use only with adequate ventilation.

Keep away from heat, sparks & flame. Vapors may cause fire. Avoid prolonged contact with skin. Use only with adequate ventilation. Avoid breathing vapors or spray mist. Do not take internally. If swallowed, do not induce vomiting. Call physician immediately. Close container after use.

It is the sole responsibility of the property owner or applicator to determine the suitability and safety of applying this product in areas of pedestrian traffic.

## **Limitations**

This product may only be used on fully cured concrete. Allow a minimum of 28-45 days of cure time after the concrete is poured to allow ample time for the concrete to completely hydrate.

Do not apply when air or surface temperature exceeds 90 degrees (F) or LAP marking / poor penetration / bubbling may result. Do not apply to wet or damp concrete, moisture will inhibit penetration of the sealer and cause improper curing, flaking or lifting of the sealer. Do not apply when it may rain, or if dew may condense on the surface before the sealer has cured. Allow for extended dry times during cold weather / high humidity.

## **Prohibitions**

Selected state and county jurisdictions prohibit or limit the use of solvent based products. Users should consult local guidelines before using this product.

## **Slip and Fall Precautions**

OSHA and the American Disabilities Act (ADA) have standards for slip-resistance on pedestrian surfaces. The coefficient of friction required by ADA is .6 on level surfaces and .8 on ramps. UBQ Industries, LLC recommends the use of slip-resistant additives in all sealers or coatings that may be exposed to wet, oily or greasy conditions. It is the installer and end users' responsibility to provide a flooring system that meets current safety standards. UBQ Industries, LLC or its sales agents will not be responsible for injury incurred in a slip and fall accident.

## **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.