



# Omega Concrete Countertop Sealer™

## TECHNICAL DATA SHEET

Revised 6/2/2020

### PRODUCT DESCRIPTION:

**Omega Concrete Countertop Sealer** is a specially formulated, two component, water-based aliphatic polyurethane. OMEGA is low-gloss, UV stable, and color enhancing. OMEGA is a high performance clear sealer that generates the premier balance of strength, flexibility, chemical and scratch resistance. OMEGA is ideally suited for both commercial and residential settings applied upon concrete countertops in kitchens and bathrooms, fireplace surrounds, shower panels, floor tiles, wall panels, and other interior and exterior concrete. OMEGA becomes food safe upon curing. It is highly stain resistant to most household chemicals and culinary items, and is heat resistant to 500°F (260°C). OMEGA can easily be touched up or repaired.

## CHARACTERISTICS

**SOLIDS BY VOLUME:** Mixed, undiluted = 55%

**VOLATILE ORGANIC CONTENT:** 35 grams/liter, undiluted

**DOT CLASSIFICATIONS:** Part A "Not regulated", Part B "Not regulated"

**PACKAGING INFORMATION:** Kits contain 2 parts of part A and 1 part of part B (volumes approximate)

**SHELF LIFE:** 1 year in unopened containers. 3-6 months in opened containers, stored properly and dry gas blanket applied.

**VISCOSITY:** Mixed= 450-650 cps (typical), pre-diluted

**APPEARANCE, WET:** Milky

**APPEARANCE, CURED:** Clear matte (<20 at 60 degrees @ glossmeter)

## PERFORMANCE

### CHEMICAL RESISTANCE:

#### Household Chemicals

Vegetable oil  
Crushed berries\*  
Dish soap (Dawn® dish detergent)  
Household bleach (sodium hypochlorite 5%)  
Household ammonia  
Tap water  
Lemon juice  
White vinegar (acetic acid 5%)  
Greased Lightning®

#### 24 hour exposure

No effect  
No effect  
No effect  
No effect  
No effect  
No effect  
No effect  
No effect  
No effect  
No effect

Yellow mustard  
Red wine  
Coffee  
Tabasco® Sauce  
Isopropyl alcohol (70%)

Temporary surface stain  
No effect  
No effect  
Temporary surface stain  
No effect

#### Industrial Chemicals

Acetone  
10% hydrochloric acid  
10% sodium hydroxide  
Xylene

#### 24 hour exposure

No effect  
No effect  
No effect  
No effect

\*blueberries, blackberries, raspberries

### Definitions:

Term	Description	Action
No effect	There is no change in appearance or performance.	None needed
Temporary surface stain	The surface of the sealer appears discolored, but the sealer is undamaged, and underlying concrete is unaffected.	Soak the discolored area with bleach

**ABRASION RESISTANCE:** Taber abrador CS-17 calibrase wheel with 1000 gram total load and 500 cycles= 23.0 mg loss.

**IMPACT RESISTANCE:** Gardner Impact, direct & reverse=160 in lb (passed)

**ADHESION:** >300 psi @ elcometer (concrete failure, no delamination) over suitable primer.

**WATER RESISTANCE:** Excellent, beads water

**UV STABILITY:** Excellent. Suitable for outdoor use.

**FLEXIBILITY:** No cracks on a 1/8" mandrel.

**HEAT RESISTANCE:** Excellent, up to 500 degrees Fahrenheit (260 degrees Celsius).

## APPLICATION

See the Omega Concrete Countertop Sealer Instructions document and videos for complete mixing and application instructions.

**DO NOT PROCEED WITHOUT READING/WATCHING THE FULL INSTRUCTIONS.**

Prepare an adequate amount of test samples prior to application to evaluate appearance and to determine suitability of this product for the intended purposes. Application questions or technical information, contact The Concrete Countertop Institute at 919-275-2121 or info@concretecountertopinstitute.com.

**COVERAGE:** Each quart mixed covers 400-500 square feet per coat @ <1 mil per coat wet thickness. Do not apply >1 mil per coat.

**APPLICATION TEMPERATURE AND HUMIDITY:** Apply at 60-90 degrees F with relative humidity between 35% and 70%.

**MIX RATIO:** 2 parts A to 1 part B by volume. Dilution as specified in Instructions.

**PRIMER:** Product is its own primer. Dilution as specified in Instructions.

**COATS:** One to four coats recommended.

**CURE SCHEDULE: (70°F)**

pot life – (150 gram mass).....	45-60 minutes
tack free (dry to touch).....	12-16 hours
recoat.....	15-30 minutes
early water resistance.....	24 hours
install.....	24-48 hours
full cure (heavy use).....	4-7 days

## LIMITATIONS

- Air contact may cause the mixed material to skim over if left uncovered.
- Sheen may be affected by high humidity, low temperatures, or chemical exposure.
- For best results use a high quality foam roller.
- Substrate temperature must be 5°F above dew point.
- All new concrete must be cured for at least 2 days.
- Physical properties are typical values and not specifications.
- Slight appearances in gloss may vary from batch to batch, therefore, use only product from the same batch for an entire job.
- Always apply a suitable test to a sample to determine suitability and performance requirements before using.
- See detailed instructions.
- See Disclaimer of Warranties and Limitations on Our Liability.
- **FOR USE ONLY BY TRAINED PROFESSIONALS WHO HAVE READ THE COMPLETE INSTRUCTIONS AND SDS.**

## CAUTIONS

Read and understand the Safety Data Sheet. Keep out of reach of children. Read label before use. Wash skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Respiratory protection is not required under normal conditions of use. Avoid breathing vapors. Ventilation must be sufficient to control vapors.

Response:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF eye irritation persists: Get medical advice/attention.

IF ON SKIN: Wash with plenty of soap and water. IF skin irritation or rash occurs: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

Cleanup and Disposal:

Before Omega dries, spills and tools can be cleaned up with a solvent such as water or acetone. Foam rollers should be cleaned only with water.

Dispose of contents/container to a waste disposal facility in accordance with local, state, federal or international laws.

## NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY

*We warrant that our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. Any use or application other than recommended herein is the sole responsibility of the user. Listed physical properties are typical and should not be construed as specifications. **NO WARRANTY IS MADE, EXPRESSED, OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. NO WARRANTY IS MADE, EXPRESSED, OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABLE OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT.** We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sales of our products. This product contains chemicals that may CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW THE PRECAUTIONS TO PREVENT BODILY HARM.*