

## TECHNICAL DATA SHEET

### ULTIMATE TOP COAT

Stone Coat Countertop's Ultimate Top Coat is the ultimate solution for long-lasting, durable epoxy surfaces. Our top coat provides maximum protection to your functional art epoxy surfaces, keeping them pristine for years to come. Compatible with top epoxy products like Stone Coat Countertop Epoxy, Art Coat, Super Cast, and Casting Resin, it's perfect for various applications such as new epoxy countertops, shower walls, woodworking projects, and art pieces. With the option to revive worn old tops by sanding the epoxy surface with 220 and applying the Ultimate Top Coat, you'll achieve a natural-looking, scratch-resistant countertop that's ideal for professional and DIY projects. Best of all, applying the Ultimate Top Coat allows you to use your kitchen sooner, without the usual 7 days wait before light use. Protect your epoxy surfaces as they reach maximum durability to heat and scratches within 30 days of pouring. Experience the difference with Stone Coat Countertop's Ultimate Top Coat.

#### PRODUCT FEATURES

- FDA Complaint - Food Contact (FDA 21 CFR 175.300)
- Chemical and Stain-Resistant
- Extreme Scratch-Resistant
- Water Resistant- Renewable
- Easy to clean
- Low VOC- 100% Solids
- DIY friendly.

<b>Mix Ratio by Weight</b>	100 R : 90 H
<b>Mix Ratio by Volume</b>	2 R : 1 H
<b>Work Time</b>	25-30 minutes
<b>Total Cure Time</b>	24 hours
<b>Durometer Hardness</b>	D78
<b>Maximum Casting Thickness(inches)</b>	1/32-1/16 inch
<b>Heat Deflection Temperature(F)</b>	105F
<b>Tensile (psi)</b>	3380
<b>Elongation (%)</b>	16
<b>Elastic Mod. (psi)</b>	112000
<b>Flexural Strength, 5% Strain (psi)</b>	1950
<b>Flexural Mod. (psi)</b>	69400
<b>Resin color and clarity</b>	Clear



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**BEFORE USE: Thoroughly read Safety Data Sheets, product labels and the “SAFETY” section in this Technical Data Sheet.**

## BEFORE YOU BEGIN

**Work Environment:** The ideal working temperature is around 65-75°F in a clean, dry, dust-free environment. Keep air movement to a minimum.

**Preparation:** To ensure proper adhesion, we suggest scuffing the surface with 220-grit sandpaper. Clean dust off with 91% Isopropyl alcohol.

**Materials:** Be prepared with all necessary materials and tools before beginning your project. These items might include (but are not limited to) two - four 1/8" microfiber paint rollers that have been 'de-shed', a paint pan, Ultimate Top Coat kit (Parts A and B), graduated mixing containers, clean stir sticks, gloves, drop cloth.

## MIXING, POURING, & APPLYING

**Natural Matte Finish:** Multiply the project square footage by .275 to determine how much Ultimate Top Coat to mix. Multiply the amount of UTC needed for the project by **.16** to determine the amount of room temperature water to add to the UTC after mixing. Measure and mix the material with a flat bottom paint stick at a 2:1 ratio in a mixing cup for 45-60 seconds. Add in the room temperature water and mix again until a consistent mixture is achieved.

**Glossy Finish:** Multiply the project square footage by .275 to determine how much Ultimate Top Coat to mix. Multiply the amount of UTC needed for the project by **.5** to determine the amount of room temperature water to add to the UTC after mixing. Measure and mix the material with a flat bottom paint stick at a 2:1 ratio in a mixing cup for 45-60 seconds. Add in room temperature water and mix again until a consistent mixture is achieved.

### Application Instructions:

Pour mixed Ultimate Top Coat into a paint pan. Use a de-linted 1/4" nap microfiber roller to apply the material over the project one piece at a time. Make sure to apply material over the entire surface then any edge. Take time to get the material as even as possible as you apply the UTC wet before switching to the dry roller to remove excess material using light pressure. Feather out high point lap lines with the wet roller 1st. Switch to a fresh clean dry roller and with light pressure and in one direction remove excess material. When the dry roller start to make a sticky noise switch to a new dry roller. The material goes on milky white and will dry clear. Pro Tip: Keep from over dry rolling. As the material sets up, if you go back to it and try and dry roll more the texture will stipple and stand up. Faint lap lines will disappear, so don't fret when you see subtle lap line in the milky material. The Ultimate Top Coat will be dry to the touch in 8-10 hours and ready for light use in 24-48 hours.



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**Step 6 (optional):** If you are going to apply a second coat or need to re-apply the UTC, the first pour should be firm but tacky to the touch. If you wait until the surface is well cured, sanding is suggested before the re-coat to ensure proper adhesion. We suggest sanding mostly smooth with 180-220. Finish sanding the surface with 320-grit. Once sanded, clean the surface thoroughly with Isopropyl Alcohol to remove any dust and debris.

## CLEAN UP & DISPOSAL

Tools can be cleaned with Isopropyl Alcohol or a residue-free cleaner. Do not use soap and water.

Dispose of product and container according to Federal, State and local regulations. Store any remaining product in the original bottles, tightly sealed and locked up in a cool, dry environment.

## SAFETY

**Safety:** Before use, thoroughly read Safety Data Sheets and product labels. Follow safety precautions and directions.

**Resin:** Keep out of reach of children. Avoid breathing vapors. Use with adequate general or local exhaust ventilation to minimize exposure levels. If needed, a NIOSH-approved respirator with organic vapor cartridge may be used. If inhaled, remove victim to fresh air and keep at rest in a position comfortable for breathing. Wear impervious gloves, such as butyl rubber or nitrile rubber. Wash skin thoroughly with soap and water after handling. Take off contaminated clothing and wash it before reuse. If skin irritation occurs, get medical help. Wear eye protection, such as chemical safety glasses/goggles. If in eyes, rinse cautiously with water for several minutes, removing contact lenses if present and easy to do. If eye irritation persists, get medical help.

**Hardener:** Keep out of reach of children. Do not eat, drink, or smoke when using this product. If swallowed, rinse mouth and get medical help. Use with adequate general or local exhaust ventilation to minimize exposure levels. If needed, a NIOSH-approved respirator with organic vapor cartridge may be used. If inhaled, remove victim to fresh air and keep at rest in a position comfortable for breathing. Wear impervious gloves, such as butyl rubber or nitrile rubber. Wash skin thoroughly with soap and water after handling. Wear eye protection, such as chemical safety glasses/goggles. If in eyes, immediately rinse with water for several minutes, removing contact lenses if present and easy to do. If eye irritation persists, get medical help.

**DISCLAIMER:** The information contained herein is considered accurate; however, Stone Coat makes no warranty regarding its accuracy. The user must determine the suitability of the product for the intended use and accepts all risk and liability associated with that use.