Stone Coat Countertops
2612 Kersten Court, Kalamazoo, MI 49048
Phone: 541-450-1976
website: stonecoatcountertops.com

TECHNICAL DATA SHEET

COUNTERTOP EPOXY

Stone Coat Countertop Epoxy is specially formulated for the DIY'er. Zero VOC's or nasty smell, long working time of 45 minutes, scratch and heat resistant epoxy coating designed for the kitchen and bathroom environment. Renew old countertop surfaces or make new ones from wood. Stone Coat Countertop Epoxy can also be used as a woodworking finish adding depth and protecting woodworking projects from moisture.

PRODUCT FEATURES

- Heat-Resistant
- Scratch-Resistant
- UV Resistance
- Water Resistant-Renewable
- Easy to clean
- Zero VOC- 100% Solids
- DIY friendly
- FDA Complaint - Food Contact
  (FDA 21 CFR 175.300)

Mix Ratio by Weight	100 R : 90 H
Mix Ratio by Volume	1 Resin : 1 Hardener
Mixed Viscosity	1800
Work Time	45-55 minutes
Total Cure Time	7 days
Durometer Hardness	D81
Maximum Casting Thickness(inches)	.25 inch
Heat Deflection Temperature(F)	130F
Tensile (psi)	3380
Elongation (%)	22
Elastic Mod. (psi)	112000
Flexural Strength, 5% Strain (psi)	1950
Flexural Mod. (psi)	69400
Resin color and clarity	Slight Gray-Violet

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

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BEFORE YOU BEGIN

Work Environment: The ideal working temperature is around 65-75°F in a clean, dry, dust-free environment. Working in high humidity will shorten the working time slightly. Keep the temperature above 65 degrees for the first 48 hours of curing.

Coverage: When applying 3 ounces per square foot of project, two coats of epoxy(1 color coat & 1 clear coat) 1/2-gallon epoxy kit = 10 sqft, 1-gallon epoxy kit = 20 sqft, 2-gallon Epoxy kit = 40 sqft, 4-gallon epoxy kit = 80 sqft.

Woodworking Seal Coat: A thin seal coat may be necessary when working with a porous surface or object like live edge slab wood or concrete. We suggest applying a thin coat as a seal coat at 1 ounce of mixed epoxy per square foot of project to be coated.

Materials: Be prepared with all necessary materials and tools before beginning your project. These items might include (but are not limited to) two-part resin kit (Parts A and B), graduated mixing containers, clean stir sticks or power mixer, gloves, torch or heat gun, drop cloth, casting molds, etc.

MIXING & POURING

Step 1: Prepare 1 part Resin (Part A) and 1 part Hardener (Part B) by liquid volume. Pour the Hardener (Part B) first and then the Resin (Part A) into a clean, smooth-sided container large enough to hold all of the liquid, allowing room for mixing without spillage. Use graduated mixing containers help to ensure properly measured amounts of Part A and B. Any variance in this mix ratio may result in curing issues.

Step 2: The material must be mixed thoroughly for at least 3 minutes. Be sure to scrape the sides, corners and bottom of container midway through mixing. Be careful not to whip excessive air into the mixture. If mixing a gallon, use a power mixer keep from mixing at full speed. For smaller quantities, use stir sticks. Do not mix more than 3 gallons at one time. If you need to mix several batches, be sure to use a clean, dry container for each batch. Using the same container may lead to curing issues.

Step 3: Pour the mixed resin separate cups to mix in colors. We recommend pouring no more than 1/8" per application, depending on mass poured. Depending on countertop technique desired, apply colored epoxy to your countertop project.

Step 4: To remove air bubbles that have risen to the surface of the poured resin, use a heat gun or torch in a sweeping motion across the surface, holding the heat source approximately 6-1O inches away from the surface until no bubbles remain. Avoid heating any one spot for too long so as to prevent any distortions in the finish.

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Step 5: Curing times can vary greatly by project, depending on mass and the work area temperature. Working time ranges between 55-75 minutes. The Art Coat will be ready for another coat of epoxy in 14-24 hours with no need to sand. After a 24 hour cure lightly sand the epoxy with 220 and wipe the dust. Full cure and maximum hardness can require up to 3 days. Do not use or place any items on your project during this time.

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/ googles. 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/googles. 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.

WARNING: THE EPOXY CURE REACTION IS EXOTHERMIC. Do not apply in thicknesses greater than the recommended maximum application thickness for the product. DOING SO CAN CAUSE WARPING AND POSSIBLY A FIRE.

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.