



ICE COUNTERTOP

TECHNICAL DATA SHEET

MIX RATIO
2A : 1B

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DESCRIPTION

Our Countertop Epoxy is specifically designed for counters and can be applied to any hard surface. It's 100% solids and solvent-free using the finest raw materials that include proprietary additives for working time, thickness, flow and marbleization that are vital when achieving our unique effects. Ice Countertop is also a decorative, durable and chemically resistant coating.

ADVANTAGES

- Durable
- Seamless
- Unique Effects
- Variety of Colors
- Chemically Resistant
- USDA & FDA Compliant

TECHNICAL SPECIFICATIONS AND MECHANICAL DATA

COLOR	Clear
MIX RATIO, BY VOLUME (RESIN: HARDENER)	2:1
MIX RATIO, BY WEIGHT (RESIN: HARDENER)	A : B = 100 : 33
SOLID CONTENT	100%
VISCOSITY @ 77°F (25°C)	A: 500-1000 CPS B: 100MAX CPS Mixed = 400-700 CPS
POT LIFE @ 77°F (25°C)	40 min (100 g)
HARDENING CONDITIONS @ 77°F (25°C)	8 - 10 h (2g)
HARDENING CONDITIONS @ 122°F (50°C)	1.5 H (2g)
IDEAL WORKING TEMPERATURE RANGE	50-77°F (10-25°C)
HARDNESS (SHORE D), ASTM D2240	< 90
BOND RESISTANCE (PSI), ASTM D4541	> 300 (substrate ruptures)
PERMEABILITY (%), ASTM D570	0.3%
ABRASIVE RESISTANCE, ASTM D4060 (CS17 / 1000 CYCLES / 1000 G)	0.10 g
FLAMMABILITY	Class I (Not considered Flammable) Flash Point > 200°F (93°C)
WATER ABSORPTION	0.15%
COMPRESSIVE STRENGTH (PSI), ASTM D695	14000
TENSILE STRENGTH (PSI), ASTM D638	5500

IMPORTANT NOTES The indicated mileage is calculated for flat surfaces. A porous or imperfect surface will require more material in order to cover the same mileage. The indicated viscosity is for clear product only. Any addition of colorant may affect the viscosity.



MIXING

Please keep the plastic container clean. Pour component B (clear or colored) into component A using the proper mixing ratio. Mix both components for 3-5 minute using a drill at low revolution (300 to 450 rpm) to reduce trapping of air. While mixing, scrape bottom and walls of container at least once to ensure a homogeneous mix. Only prepare quantity that may be applied during pot life of mixture.

APPLICATION

Apply mixed product on the prepared surface tightly (thin film) using a rubber rake and pass a roller to obtain a uniform coating. Avoid creating puddles. Follow our videos for more details.

CLEANING

Clean all tools and materials with the cleaner/thinner for epoxies. Wash hands and skin carefully with warm soapy water. Once product has hardened, it may only be removed through mechanical means.

RESTRICTIONS

- Minimum/Maximum temperature of substrate: 50°F / 86°F (10°C / 30°C)
- Maximum relative humidity during application and curing: 85 %
- Substrate temperature must be 5.5°F (3°C) above dew point measured
- Humidity content of substrate must be < 4 % when coating is applied
- Do not apply on porous surfaces where a transfer of humidity may occur during application
- Avoid exterior use
- Protect from humidity, condensation and contact with water during the 24 hour initial curing period
- Surface may discolor in areas exposed to regular ultraviolet light

HEALTH AND SAFETY

In case of skin contact, wash with water and soap. In case of eye contact, immediately rinse with water for at least 15 minutes. Consult with a doctor. For respiratory problems, transport victim to fresh air. Remove contaminated clothes and clean before reuse. Components A and B contain toxic ingredients. Prolonged contact of this product with the skin is susceptible to provoke an irritation. Avoid eye contact. Contact with may cause serious burns. Avoid breathing vapors release from this product. This product is a strong sensitizer. Wear safety glasses and chemical resistant gloves. A breathing apparatus filtering organic vapors approved by the NIOSH/MSHA is recommended. Predict suitable ventilation.

Consult the material safety data sheet for further information.

IMPORTANT NOTICE

All statements, recommendations and technical information contained in this document are accurate to the best knowledge of ICE EPOXY. The data relates only to the specific material designated herein. It may not be valid if used in combination with any other materials. It is the users' responsibility to verify suitability of this information for their own particular use, and to test this product before use. ICE EPOXY assumes no legal responsibility for use upon these data. ICE EPOXY assumes no legal responsibility for any direct, indirect, consequential, economic, or any other damage except to replace the product.