

TECHNICAL SHEET

COUNTERTOP EPOXY

PE700908 • PE700907

DESCRIPTION

Packaging: 1.42 L – PE700908
4.13 L – PE700907

Finish: Crystal-clear

Passeport Élite Countertop Epoxy is a 100% solids, two-component epoxy coating system. It creates a non-porous antibacterial surface that is moisture- and stain-resistant. This ultra-durable product with an ultra-clear finish is an ideal choice for kitchen countertops and butcher blocks.

The low colour and low viscosity allow for impeccable, crystal-clear coatings. Passeport Élite Countertop Epoxy has a low-VOC content, for user safety and reduced environmental impact.

Compatible base colours and metallic powders are available to mimic any kind of natural stone, creating an extreme three-dimensional effect. Endless colour combinations are possible to complement any kitchen.

PRIMARY APPLICATIONS

- Kitchen countertops
- Bar top
- Butcher blocks

ADVANTAGES

- 100% solids
- Low VOC and low odour
- Crystal-clear and high-gloss appearance
- Magnifies object appearance
- Self-levelling
- Dense surface resistant to bacteria and moisture
- Excellent air release qualities
- Will not distort with age

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TECHNICAL DATA

Colour	Clear
Mix Ratio by Volume	2:1 (resin:hardener)
Mix Ratio by Weight	100:43 (resin:hardener)
Mixed Viscosity @ 25°C	500 cps
Pot Life @ 25°C	60 minutes
Coverage	1.42 L Box 3/16 in. thickness (0.5 cm) 22 sq. ft. (2 m ²)
	4.13 L Box 3/16 in. thickness (0.5 cm) 70 sq. ft. (6.5 m ²)
Tack-Free Time @ 25°C	24 hours
Ideal Working Temperature Range	24-27°C
Recommended Full Cure @ 25°C	72 hours
Tensile Strength	6500 psi
Elongation	6.7%
Compression Strength	6800 psi
Tg Ultimate	95°C (203°F)
Hardness, Shore D	80-90
VOC	< 70 g/L

SURFACE PREPARATION

Proper surface preparation is crucial. The surface to be coated must be completely dry and free from dust, wax, grease or oil.

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MIXING

Warm up the resin and hardener to 24-27°C. This will improve the flow characteristics and bubble release.

Measure out the **exact quantities** of resin (component A) and hardener (component B) in two separate containers (**2 parts resin to 1 part hardener**). Stir them separately. Mix the resin with the hardener in a clean, dry container. Stir for 3 to 4 minutes, being sure to scrape the sides and bottom of the container. After mixing, transfer the mixture to a similar container and stir again for 1 to 2 minutes.

IMPORTANT! Accurate measuring and proper mixing are essential. The product must be applied within 15 minutes of mixing.

APPLICATION

Pour the mixture into the mould. Wait 15 to 20 minutes, then lightly pass a propane torch over the surface at a 45-degree angle, with the tip of the torch at least 6 inches (15 cm) from the surface. Continue until all bubbles are gone.

The carbon dioxide at the end of the flame facilitates the release of bubbles and their popping. If latent bubbles exit, a similar torching at 30 minutes may be needed. Drips can be sanded away after the item has cured.

IMPORTANT! The product starts to cure quickly and becomes completely unusable after 60 minutes of exposure to air.

CLEANING

Clean all tools and materials with xylene immediately after use. Always keep your goggles and gloves on to avoid any contact with the product. Wash hands thoroughly with soap and water.

IMPORTANT! Once the product has cured, it can only be removed by sanding.

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RESTRICTIONS

- Store in a dry area between 24°C and 27°C. Keep out of direct sunlight. Keep out of the reach of children.
- Unused resin and hardener should be left in original containers. Do not leave resin or hardener in an open container.
- Apply only when humidity is below 60% and air temperature is between 21°C and 29°C.
- This product must be used within one year of the purchase date.
- Epoxy surface may discolour if exposed to ultraviolet rays.
- Do not apply outside.

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 Safety Data Sheet for further information.

IMPORTANT NOTICE

The information and recommendations contained in this document are based on reliable test results according to the manufacturer. The data mentioned are specific to the material indicated. If used in combination with other materials, the results may be different. It is the responsibility of the user to validate the information therein and to test the product before using it. Passeport Élite assumes no legal responsibility for the results obtained in such cases. Passeport Élite assumes no legal responsibility for any direct, indirect, consequential, economic or any other damages except to replace the product or to reimbursement the purchase price, as set out in the purchase contract.