



100% SOLIDS EPOXY



READ THESE INSTRUCTIONS CAREFULLY BEFORE USE.

Mix the 2 components only once you are ready to apply the product.

A NOTE ABOUT CONCRETE The concrete floor must have been poured at least 90 days prior to being coated. Perform a humidity test; the humidity level should be below 4%. If the test fails, do not apply Passeport Élite 100% solids epoxy.



THE ESSENTIALS

- Nitrile gloves
- Safety goggles
- Drill with mixer
- Stir stick
- 100% polyester brush
- 24 in. squeegee
- 10 mm lint-free roller
- Spiked shoes
- Xylene



THE COMPLEMENTS

- Cotton cloths
- Passeport Élite concrete preparation
- Passeport Élite degreaser
- Cleaning brush
- Concrete filler
- Grinder
- Sander
- Vacuum cleaner

APPROXIMATE COVERAGE FROM ONE CONTAINER (4.5 L)

Standard colours (first coat)	About 400 sq. ft. (5-mil thick)
Standard colours (second coat)	Maximum 250 sq. ft. (8-mil thick)
Clear epoxy on smooth surface	About 250 sq. ft. (8-mil thick)
Clear epoxy on textured surface (flakes)	About 100 sq. ft. (20-mil thick)
Safety colours	Maximum 125 sq. ft. (16-mil thick)
Metallic colours	Maximum 60 sq. ft. (32-mil thick)

IMPORTANT! These quantities are approximate and are for reference only. The required amount may vary depending on the texture of the surface and the thickness of the coats applied.



SURFACE PREPARATION

Proper surface preparation is crucial. The concrete must be clean, dry and free of oil and contaminants.

CLEANING: Clean the surface using Passeport Élite concrete preparation. Rinse thoroughly and leave to dry for at least 48 hours. For stubborn oil stains, use Passeport Élite degreaser.

SANDING: Resurfacing with a polisher is by far the best surface preparation method, but it can be replaced by sanding for most residential projects. Sand the surface using a sander fitted with 60-grit sandpaper in order to remove old paint.

REMOVING DUST: Remove all dust from the surface using a shop vacuum. Remove all contaminants or fine concrete dust from the surface.

FILLING CRACKS: Expand the cracks using a grinder in order to free up friable particles, and clean with the shop vacuum. Use a concrete filler. Passeport Élite 100% solids epoxy can be applied 4 to 6 hours later.



TINTING (BEFORE ADDING THE HARDENER)

READY-MIXED COLOURS: You only need to stir it a little before adding the hardener.

PERSONALIZED COLOUR: Pour all of the tint in the epoxy resin container (component A). Mix, scraping the sides and bottom of the bucket to get a homogeneous colour. If a coat requires more than one 4.5 L container, mix the containers together in a 5-gallon pail and pour back into the original containers according to volume.

IMPORTANT! Colour variations may occur if tinting, mixing and application procedures are not followed.



MIXING

Stir each component separately. Pour all the hardener (component B) in the epoxy resin (component A). Mix well for 4 minutes at a low speed (300 to 450 RPM) using a drill fitted with a mixer. Do not mix at a high speed to prevent air entrapment bubbles. Scrape the sides and bottom of the bucket frequently with a stir stick to get a homogeneous mixture. Let the mixture stand for 2 minutes. Apply all of the mixture within 30 minutes.

IMPORTANT! Mixing must be done properly in order for the hardener to have a uniform effect. The product must be applied within 30 minutes of mixing.



APPLICATION

Pour the product directly onto the floor in consecutive and parallel strips. Using a brush, quickly cut in the edges. Then, using a squeegee, spread the product and back roll (left to right, then toward you). It is important to get a uniform coating and avoid puddling.

RECOMMENDATIONS

- Do not touch up the product after 10 minutes.
- Wear spiked shoes to walk on the coated surface.
- Apply a coat of clear epoxy on dark or metallic colours.
- Apply a second coat between 24 and 48 hours later to get a very glossy and uniform finish. If the second coat must be applied more than 48 hours later, sand the surface using a sander fitted with 60-grit sandpaper in order to remove the gloss and avoid any adherence problems.

On vertical or sloped surfaces, apply THIN COATS of the product to prevent sagging.

IMPORTANT! The product will start to cure quickly after 40 minutes and will be completely unusable after 50 minutes.

ANTI-SKID SAND AND DECORATIVE FLAKES: To get an anti-skid surface, sprinkle quartz sand evenly within 60 minutes of applying epoxy. Back roll (left to right, then toward you).

Use the same technique to add decorative flakes. Apply an additional coat of clear epoxy to prevent the flakes from chipping.

AMOUNT OF DECORATIVE FLAKES BASED ON DESIRED HIDING LEVEL/100 SQ. FT.

Hiding level	Approximate percentage	Approximate quantity	
Very light	2%	0.3 lb.	0.125 kg
Light	5%	0.7 lb.	0.3 kg
Medium	12.5%	1.75 lb.	0.8 kg
Intense	25%	3.5 lb.	1.6 kg
Very intense	50%	7 lb.	3.2 kg
Complete	100%	15 lb.	7 kg



CURING TIME

Allow a minimum of 24 hours before permitting foot traffic and a minimum of 48 to 72 hours before permitting vehicles on it. The temperature and humidity will affect the curing time.



CLEANING

Clean all tools with xylene immediately after use. Always keep your goggles and gloves on to avoid any contact with the product.

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

RESTRICTIONS

- Make sure that the temperature of the substrate is between 10°C and 30°C, and that it is at least 3°C above the day's dew point.
- Make sure that the humidity level of the substrate is below 4%. Do not apply the product on humid substrates or porous surfaces that may absorb humidity from the soil.
- Maintain a relative humidity of maximum 85% during application and curing.
- Protect from humidity, condensation and water during the 48-hour curing period.
- Do not apply outside.
- The surface can become discoloured in places that are regularly exposed to UV light.



WARNING Always wear safety goggles, nitrile gloves and long sleeves and pants to avoid any contact with the product. If skin contact occurs, wash immediately with warm soapy water and rinse thoroughly.

WATCH OUR DEMO VIDEO!

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