



1-Part Epoxy™ EF-385 Concrete & Garage Floor Enamel

Description:

1-Part Epoxy™ is a waterborne enamel with epoxy resins to increase adhesion and traffic resistance. This one part water-base epoxy is ideal for applications on concrete and garage floors. It has been especially formulated to resist hot tire pick-up, chemicals and oils and will resist scuffing, fading, cracking and peeling. Its optimum adhesion and fast drying properties ensure a professional looking and guarantee long term performance.

Meets Requirements for:

MPI:	N/A
Green Performance 1:	N/A
Green Performance 2:	N/A
VOC Compliant (<100 g/L):	No
SCAQMD:	N/A
AIM & OTC:	N/A

Product Advantages:

- One part acrylic epoxy
- Low odor and non-toxic
- Ready to use
- Excellent coverage and performance
- Heavy metal and lead free
- Resists hot tire pick-up and chemicals
- Excellent adhesion on surfaces
- Fungus resistant

Uses:

1-Part Epoxy™ is ideal for use in porous concrete surfaces, asphalt, clay, wood and other surfaces like garage floors, driveways, walkways, basements, pool decks, sport courts and playgrounds.

Technical Data:

Product Type:	Epoxy Acrylic one component
Finish:	Flat (1° - 3°) *Geometry 60°
Solids (%):	50 ± 2% by weight 36 ± 2% by volume
Weight/Gallon:	11.2 ± 0.05lbs. (5.1 ± 0.02kg.)
Colors:	Tinting bases and Ready mix colors
Drying Time:	To touch: 30-60 min. To recoat: 2-4 hrs. Foot traffic: 8-12 hrs. Final Cure: 24 hrs.
Coverage:	
Theoretical:	Up to 585 ft. ² per gallon @ 1 mil
Recommended:	400-450 ft. ² /gal. (37-41 m ² /gal.) @ 1.5 dry mils, 4 wet mils
Can Sizes:	1 gallon
Thinning:	Is not recommended.
Flash Point:	Non-flammable
Viscosity:	80 - 90 KU's
Percent Pigment by Weight:	33 ± 2%
VOC:	<200 g/L

Notice: The technical data contained herein are true and accurate to the best of our knowledge. Published technical data and instructions are subject to change without prior notice.

S.D.S.: Available upon request.

Surface Preparation:

All surfaces must be dry, clean, sound and free of contaminants such as dirt, grease, chalk, mildew, oil, rust, concrete curing agents, laitance, efflorescence, loose or badly cracked paint. Remove all contaminants by washing surfaces with an appropriate cleaner, sanding, scuffing and/or using a pressure washing machine. Glossy surfaces should be lightly sanded and primed prior to new paint application. Cracks and holes have to be clean and dry, cracks and joints should be sealed with Polyflex™ a 1-component polyurethane solvent base sealant and adhesive for joints.

Recommended Paint Systems:

Concrete floors and new wood decks:

Refer to surface preparation.

Paint, apply two coats: 1-Part Epoxy™
400-450 ²/gal. (37-41 m²/gal.)
@1.5 dry mils, 4 wet mils

Previously painted concrete floors:

Refer to surface preparation.

Paint, apply two coats: 1-Part Epoxy™
400-450 ²/gal. (37-41 m²/gal.)
@1.5 dry mils, 4 wet mils

Actual coverage may vary depending on substrate and application method.

Surface Application Recommendations:

Previously painted surfaces: The surface must be clean and dry prior to painting. Remove dirt, grease and scrape off loose and scaling paint. Dull glossy surfaces by lightly sanding.

Unpainted surfaces wood: All pressure treated wood must be weathered at least 60 days prior to painting and moisture content should be under 16%.

Concrete: The surface must be clean and acid etched prior to painting with muriatic acid and water following label directions and cautions. Rinse thoroughly using clean water and let dry 24 hours or until completely dry.

Additional Information

Mildewed surfaces: This paint contains agents to inhibit the mildew growth on the dried paint film itself. Any existing mildew on the surface must be completely killed and removed prior to the application of primer or paint. Any mildew not removed may continue to grow through the new finish. Using a long-handled brush, scrub mildewed surfaces with a mixture of one part of household bleach and three parts of warm water. Rinse completely and let dry.

Method of Application:

Buy enough paint to complete the entire job and intermix all gallons of the same color to insure color uniformity. Stir gently. Apply liberally, roll out no more than a 2 ft. by 2 ft. area with a full 9 inch roller. Resists light foot traffic in 12 hours. No heavy traffic for at least 5 days.

Do not apply when surface or air temperature is below 50 °F (10 °C) or if rain is expected within 5 hours. Apply product with brush, roller or sprayer. Apply generously with a full brush or roller and avoid excessive brushing or spreading too thinly. Typical standard practice recommends intermixing when working with more than one container of the same color, to ensure color consistency.

Mixing and thinning: Mix always thoroughly before application. Thinning is not recommended, if necessary use only 8oz. of water per gallon of this product.

Brush: Use a good quality nylon PA-1982 or polyester brush PA-1999.

Roller: Use a Lanco® All-Purpose 3/8" Nap Roller PA-566. Apply generously, but avoid excessive brushing or reworking of painted areas, do not apply or spread too thinly.

Spray: Spray equipment should be capable of maintaining a pressure of 700-1000 psi with a tip of 0.015 to 0.019.

Spray and back roll on rough or porous surface to achieve required film build. Apply two coats with overnight drying between coats to minimize pinholes on the surface is recommended. See equipment's manufacturer recommendation.

Precaution: Do not apply when air or surface temperature is below 50 °F (10 °C). Apply liberally, but do not overspread. Stop painting at least two hours before you expect dew to form or the temperature to fall below 50 °F (10 °C).

Temperature: Apply when temperature is between 60° and 90° F. Avoid painting in direct sunlight. Do not apply late in the day or when rain or dew is likely.

Washing: Do not wash or let water sit on painted surface before 14 days to permit proper curing or finish. May be washed after 14 days with mild detergent and soft cloth or sponge mop; then rinse. Do not use abrasive cleaners.

Drying time: To touch: 1 hour. To recoat: 4 hours. Light foot traffic: 12 hours. Heavy traffic: 5 days.

Coverage: On smooth surfaces, 400-500 square feet per gallon. On rough or porous surfaces, coverage will be reduced.

Clean up: Immediately after use, clean brushes, rollers or spray equipment with warm water and detergent.

Limited warranty: The manufacturer's liability in connection with the sale of this product extends only to replacement price if it should fail to comply with quality standards or specifications. Protect from freezing.

Caution: Harmful if swallowed. Contains acrylic resin. In case of eye contact, flush thoroughly with water. Do not rub eyes. In case of skin contact, flush area immediately with clean water. If swallowed, Do not induce vomiting. Consult a physician immediately. Use only with adequate ventilation. Adequate ventilation required when sanding or abrading the dried film. Always use (NIOSH/MSHA TC21C or equivalent.) Goggles are recommended while handling the product.

Warning! If you scrape, sand, or remove old paint, you may release lead dust. Lead is toxic. Exposure to lead dust can cause serious illness, such as brain damage, especially in children. Pregnant women should also avoid exposure. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead. Keep out reach of children. For chemical emergency call ChemTrec 1-800-424-9300.

