



Epoxy.com Product #488

98% Solids Aliphatic Polyurethane Coating

DESCRIPTION

Epoxy.com Product #488 is a two component, ultra high solids, aliphatic polyurethane designed to provide high gloss, UV stable (non-yellowing) and chemical resistant protection. **Epoxy.com Product #488** is a superior, new generation product exhibiting fast cure time and excellent stain resistance.

Epoxy.com Product #488 has very low odor and can be applied indoors in occupied areas. **Epoxy.com Product #488** is generally used as a clear or pigmented high gloss finish Epoxy.com decorative and industrial flooring systems such as Epoxy.com Chip Flooring (garage floor finish).

ADVANTAGES

- VOC compliant
- Excellent abrasion resistance
- Fast set times
- Chemical & stain resistant
- Excellent UV resistance
- Low odor-used in occupied areas
- High gloss

CONSIDERATIONS

- **Substrate temperature must be a minimum of 50°F**
- **Substrate must be free of dirt, waxes, curing agents and other foreign materials**
- **Do not apply over damp or wet substrates**
- **Avoid applications on surfaces with active moisture vapor transmission**
- **Very fast set (short working time)**

COMPOSITION

Two Component, Catalyzed Polyaspartic Polymer

APPLICATION

SURFACE PREPARATION

Surface Preparation is the most critical portion of any successful resinous flooring system application. All substrates must be properly prepared as outlined in [Epoxy.com's Surface Preparation Guide](#). Epoxy.com technical service department is pleased to answer any questions.

INSTALLATION

Epoxy.com Product #488 is a two component material (2 parts A to 1 part B by Vol.). Add Part B to Part A while mixing, using a slow speed mechanical mixer (Jiffy mixer). Mix until a homogeneous mixture is obtained (approximately 3 minutes). Use care to scrape sides and bottom of container to ensure that no unmixed material remains. Do not whip too much air into the material which may result in pinholes or blisters. Do not mix more material than can be used in 10-15 minutes.

Epoxy.com Product #488 will begin to increase in viscosity immediately after mixing and will double in viscosity within 17-20 minutes. Material should be in place at this point.

Immediately after mixing, pour material on floor in a ribbon and spread with a flat trowel or notched squeegee depending on thickness of application. Typical application is 8-12 mils (130-200 sq/gal.). Backroll spread material gently with a short nap mohair roller. Do not over roll and entrap air. Total application time should take no longer than 15 minutes.

Up to 5% solvent (xylene, MEK or similar) may be added at time of mixing to slightly lower viscosity and lengthen pot life.

Epoxy.com Product #488 will be tack-free in 2-2 ½ hours at 70°F and 50% relative humidity. Allow 4 hours between coats if applying more than one coat. Light pedestrian traffic is possible after 4 hours, 24-48 hours before heavy pedestrian or automotive traffic. **Epoxy.com Product #488** is highly stain resistant and hot tire resistant after 48 hours.

CLEAN-UP

Clean skin with soap and water. Tools and equipment should be cleaned with xylene or lacquer thinner.

COVERAGE

Epoxy.com Product #488 is typically spread at 160 ft²/gallon to yield 8-10 mils. Up to 15 mils is possible in one application but will exhibit a longer set time.

COLOR

Epoxy.com Product #488 is available in Clear, Epoxy.com Standard (epoxy) Colors and custom colors subject to laboratory approval and increased cost.

TECHNICAL DATA

Viscosity @ 75°F	Part A 175-200cps Mixed A&B 350-400 cps
Mixing Ratio	2 Part A to 1 Part B by Volume
Solids Content	95-97%
Volatile Organic Content	.03#/gal. (35.8 gm/l)
Weight per gallon	8.77

CURE/DRY TIME

Pot Lift (Working time)75°F	15-17 minutes
Dry to Touch, 75°F	2.0-2.5 hours
Re-Coat	4 hours
Light Service	4-5 hours
Heavy Traffic	48 hours

TYPICAL PHYSICAL PROPERTIES

Hardness - Shore D	ASTM-D-2240	24 hours	25-30
		48 hours	55-60
Tensile Strength. psi	ASTM-D-412		3,000-4,000
Elongation, %	ASTM-D-412		50 max

CHEMICAL RESISTANCE

REAGENT	RATING		
Acetic Acid-10%, 30%	L	Iodine	L
Acetone	L	Isopropanol	R
Ammonia Hydroxide-38%	R	Jet Fuel	R
Beer	R	Lactic Acid-15%	R
Bleach	L	Lactic Acid-50%	R
Brake Fluid	L	Methyl Ethyl Ketone	L
Citric Acid-30%	R	Nitric Acid-10%	L*
Citric Acid-40%	L	Orange Juice	R
Crude Oil	R	Phosphoric Acid-85%	L
Diesel Fuel	R	Skydrol	L
EEP Solvent	L	Sodium Hydroxide-50%	R
Ethanol	L	Sulfuric Acid-20%	R
Ethylene Glycol	R	Toluene	L
Fatty Acids	L	Urea	R
Gasoline	R	Urine	R
Hydrochloric Acid-15%	R	Vinegar	R
Hydrogen Peroxide-30%	L	Xylene	L

R-Recommended for continuous service

L-Limited Recommendation, occasional spills

*-May cause slight stain or discoloration

MAINTENANCE

After completing the application of **Epoxy.com Product #488**, the installer should provide the owner with maintenance instructions.

Epoxy.com Product #488 is easily cleaned with neutral soaps or detergents.

FOR INDUSTRIAL USE ONLY KEEP AWAY FROM CHILDREN

For more information please contact:

Notes

Epoxy.com.

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