



EpoxySystems' Product #400

Two Component Chemical Resistant Urethane

DESCRIPTION

EPOXYSYSTEMS' PRODUCT #400 is a two component, chemical resistant, polyurethane coating. The high gloss finish offers excellent abrasion resistance, chemical and stain resistance, and superior color retention. EPOXYSYSTEMS' PRODUCT #400 can be used equally well on vertical or horizontal surfaces. It is ideal for concrete floors and walls in warehouses, storage facilities, aircraft hangars, animal housing, and vehicle maintenance facilities. Available in both clear and pigmented formulations, EPOXYSYSTEMS' PRODUCT #400 is used as a finish coating option for most EpoxySystems' Flooring Systems.

ADVANTAGES

- Excellent Abrasion Resistance
- Excellent Chemical & Stain Resistance
- Suitable for both Exterior & Interior Applications
- May be used for both Horizontal & Vertical Applications

CONSIDERATIONS

- Substrate temperature must be a minimum of 50°F
- Substrate must be free of dirt, waxes, curing agents, and other foreign materials
- Minimum Application Temperature: 40°F (contact Epoxy.com for Low Temperature Cure)
- Maximum Application Temperature: 100°F

COMPOSITION

Two Component, catalyzed, chemical resistant polyurethane

INSTALLATION

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 EPOXYSYSTEMS' TECHNICAL BULLETIN #100 which can be found at <http://www.epoxy.com/concreteprep.htm>. EpoxySystems' Technical Service department is pleased to answer any questions.

APPLICATION

EPOXYSYSTEMS' PRODUCT #400 is normally applied with a brush, short napped roller, or squeegee and back-rolled with a short nap roller. Care should be taken to minimize the entrapment of air caused by over-rolling. EPOXYSYSTEMS' PRODUCT #400 can also be applied by airless or conventional spray.

CLEAN UP

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

COVERAGE

EPOXYSYSTEMS' PRODUCT #400 will yield approximately 3 mils dry film when spread at 300 ft² per gallon.

COLOR SELECTION

EPOXYSYSTEMS' PRODUCT #400 is available in Clear (gloss or satin) and 17 Standard Colors (<http://www.epoxy.com/bgcolorchart.htm>) or contact Epoxy.com for a color chart. Custom Colors are available subject to laboratory approval, minimum quantity, lead time for production, and increased cost.

TECHNICAL DATA

Viscosity @ 75°F	700-900 cps
Mixing Ratio	2 Parts A to 1 Part B by Volume
Solids Content (by volume)	56% (clear), 65% (pigmented)
Volatile Organic Content (VOC)	405 gm/L
Weight per gallon	10.5 pounds per gallon, mixed

CURE/DRY TIME

Pot Life	8 hours @ 75°F
Dry to Touch	10-14 hours @ 75°F
Re-Coat	12-16 hours @ 75°F
Light Service	16 hours @ 75°F
Full Cure & Maximum Resistance	5-10 days

CHEMICAL RESISTANCE

REAGENT

RATING

Acetic Acid-5%

L

Acetone

L

Betadine

R

Beer

R

Bleach

L

Brake Fluid

R

Citric Acid-30%

R

Citric Acid-40%

L

Crude Oil

R

Diesel Fuel

R

Ethylene Glycol

R

Fatty Acids

L

Gasoline

R

Hydrochloric Acid-15%

R

Iodine

R

Lactic Acid-15%

R

Methyl Ethyl Ketone

L

Nitric Acid-10%

R

Orange Juice

R

Peroxide-35%

R

Phosphoric Acid-85%

L

Skydrol

R

Sodium Hydroxide-50%

R

Sulfuric Acid-20%

R

Toluene

R

Urea

R

Vinegar

L

Xylene

R

R-Recommended for continuous service. L-Limited Recommendation, occasional spills. *-May cause slight stain or discoloration

For more information please contact:

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