



# Epoxy.com Product #402

Two Component Chemical Resistant Polyurethane Coating

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## GENERAL DESCRIPTION

**Epoxy.com PRODUCT #402** is a two component chemical resistant polyurethane coating. The high gloss finish offers excellent abrasion resistance, chemical and stain resistance, and color retention.

**Epoxy.com PRODUCT #402** can be used equally well on vertical or horizontal surfaces. It is ideal for concrete floors and walls in warehouses, storage facilities, aircraft hangers, animal housing, and vehicle maintenance facilities.

**This Product is not for use in California**

## ADVANTAGES

- ✚ Excellent Abrasion Resistance
- ✚ Excellent Chemical Resistance
- ✚ Exterior and Interior Uses
- ✚ May be used on both Horizontal and Vertical Applications

## SURFACE PREPARATION

Surface must be clean and sound. Remove all dirt, laitance, grease curing compounds and other foreign matter by sandblasting, or mechanical abrasion. Remove water and dust from all surfaces with an oil-free blast immediately prior to application.

## APPLICATION

**Prime:** For best bond to properly prepared surface, use Epoxy.com Product #899 Primer.

**Body:** Apply **Epoxy.com PRODUCT #402** with brush, roller (short napped), or squeegee followed with back rolling to get recommended thickness (3 mils DFT).

**Finish:** Apply top coat as required (minimum 3 mils DFT).

**Epoxy.com PRODUCT #402** is also available in the following forms:

As a slip or skid resistant finish using a non-skid additive in the finish.

## LIMITATIONS

Surface must be dry. Minimum application temperature of 40°F (Contact Epoxy.com Technical Support for Low Temperature Cure). Maximum application temperature of 100°F. Avoid applications on surfaces without effective vapor barriers.

## SAFETY PRECAUTIONS

Prolonged or repeated exposure may cause eye and skin irritation. If contact occurs, wash immediately and seek medical help. Use safety glasses with side shields and wear protective rubber gloves.

## CLEANING

All tools and equipment should be cleaned before the system gels. Use MEK, Acetone, or any lacquer solvent.

<b>Physical Properties</b>	
Color	Standard colors for this product are: Clear (satin and gloss), White #001, Light Gray #100, White Sand #210, Taupe #300, Mocha #400, Caramel #420, & Brick Red #900.
Gloss, 60 <sup>0</sup> F	85-100
Mix Ratio	2Ato 1B by volume
Pot Life	30-40 minutes @ 70 <sup>0</sup> F
VOC	405 gm/liter
Solids Content, % vol	56.0
Coverage	300 ft <sup>2</sup> /gal @ 3 mils DFT
<b>DRY TIME</b>	
10-20 mil film	10~14 hrs
Light Traffic	<b>16 hrs</b>
<b>Ultimate Cure @ 74<sup>0</sup>F</b>	<b>5 days</b>
<b>@50<sup>0</sup>F</b>	<b>14days</b>

<b>PERFORMANCE PROPERTIES</b>	
Adhesion to concrete <b>ACI Committee 403</b>	200 p.s.i (concrete fails)
Abrasion Resistance ASTM-C501	30-40 mg loss (CS-17 wheel, 1 kg load, 1000 cycles)
Service Temperature MIL- D-3134F	160 <sup>0</sup> F (immersion) 250 <sup>0</sup> F (dry heat)
Impact Resistance MTI-D-3134F ss 4.7.5	Withstands 16ft./lbs. no cracking, delamination or chipping
Elevated Temperature Resistance MIL-D-3134F ss 4.7.3	No slip or flow at required temperatures at 158 <sup>0</sup> F
Water Absorption (24. hr. immersion) <b>ASTM-D-670-63</b>	0.10% maximum

**Standard colors for this product are: White #001, Light Gray #100, White Sand #210, Taupe #300, Mocha #400, Caramel #420, & Brick Red #900.**

## **FOR INDUSTRIAL USE ONLY**

## **KEEP AWAY FROM CHILDREN**

For more information please contact:

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<b>CHEMICAL RESISTANCE</b>			
REAGENT	Rating	REAGENT	Rating
Acetic Acid-5%	L	Iodine	R
Acetone	L	Lactic Acid-15%	R

Betadine	R	Methyl Ethyl Ketone	L
Bleach	L	Nitric Acid-10%	R
Citric Acid-30%	R	Skydrol	R
Crude Oil	R	Sodium Hydroxid-50%	R
Diesel Fuel	R	Sulfuric Acid-20%	R
Ethylene Glycol	R	Toluene	R
Faffy Acids	L	Urea	R
Gasoline	R	Vinegar	L
Hydrochloric Acid-15%	R	Xylene	R

R= Recommended for continuous Service L=Limited recommendation, occasional spills