



Epoxy.com Product #406

Two Component Low VOC Chemical Resistant Polyurethane Coating

DESCRIPTION

Epoxy.com Product #406 is a two component, chemical resistant, polyurethane coating. **Epoxy.com Product #406** is a low VOC compliant urethane that meets all federal and state environmental air quality standards. The high gloss finish offers excellent abrasion resistance, chemical and stain resistance, and superior color retention. **Epoxy.com Product #406** 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, **Product#406** can be used as a finish coating option for most Epoxy.com Flooring Systems.

ADVANTAGES

- Excellent Abrasion Resistance
- Excellent Chemical & Stain Resistance
- Suitable for Both Exterior & Interior Applications
- May be Used for Both Horizontal & Vertical
- Compliant to Low VOC Air Regulations

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.

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 Surface Preparation Procedures. Work must be performed by trained or experienced contractors or maintenance personnel.

INSTALLATION

Epoxy.com Product #406 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.

Epoxy.com Product #406 can also be applied by airless or conventional spray. May be thinned 9-10% with Ethyl Ethoxy Propanate (EEP) or Methy Amyl Ketone (MAK).

CLEAN UP

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

COVERAGE

Epoxy.com Product #406 Clear will yield approximately 2.9 mils dry film thickness when spread at 300 ft² per gallon.

Epoxy.com Product #406 Pigmented will yield approximately 3.5 mils dry film thickness when spread at 300 ft² per gallon.

COLOR SELECTION

Epoxy.com Product #406 is available in Clear (gloss or satin) and 17 colors. Custom Colors are available subject to laboratory approval, minimum quantity, lead time for production, and increased cost.

TECHNICAL DATA

Viscosity @ 75°F	125-150 cps, mixed, Clear
Mixing Ratio	3 Parts A to 1 Part B by Volume
Solids Content (by Volume)	54.26% Clear
	66.46% Pigmented
Volatile Organic Content (VOC)	1.56#/gal (187 gm/L) Clear
	1.39#/gal (166 gm/L) Pigmented
Weight per Gallon	9.85 pounds per gallon , mixed, clear

CURE/DRY TIME

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

MAINTENANCE

After completing the application of Epoxy.com Product #406, the installer should provide the owner with maintenance instructions.

Epoxy.com Product #406 is easily cleaned with neutral soaps or detergents.

TECHNICAL SERVICE

Epoxy.com Technical Support provides services and consultations on material selection, specification, troubleshooting, and other information on the proper repair and protection of concrete surfaces.

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 INDUSTRIAL USE ONLY KEEP AWAY FROM CHILDREN

For more information please contact:

Epoxy.com.

352-489-1666 (Phone)

352-465-3497 (Fax)

info@epoxy.com

www.epoxy.com

Epoxy.com a division of Epoxy Systems, Inc. warrants its products (when properly stored) for the period of time as follows: Epoxies, Product #315, Product #315BC, and Product #316 one (1) year; Polyesters, Methyl Methacrylates (normal) two (2) months and Polyurethanes Four (4) months; Power Tools and Equipment 90 days; Vinyl Esters, High Molecular Weight Methacrylates (HMMA) and all other resins (not specifically mentioned above) 30 days; hand tools (non-power tools) 30 days. Epoxy.com warrants that its products will be free of manufacturing defects and will be in conformity with published specifications when handled, stored, mixed and applied in accordance with recommendations of Epoxy.com. If any product fails to meet this warranty, the liability of Epoxy.com will be limited to replacement of any non-conforming material if notice of such non-conformity is given to Epoxy.com within the warranty period for the material (as indicated above), or within 1 year of the delivery of materials (whichever is sooner). Epoxy.com may in its discretion refund the price received by Epoxy.com in lieu of replacing the material. No customer, distributor, or representative of Epoxy.com is authorized to change or modify the published specifications of this warranty in any way. No one is authorized to make oral warranties on behalf of Epoxy.com. In order to obtain replacement or refund the customer must provide written notice containing full details of the non-conformity. Epoxy.com reserves the right to inspect the non-conforming material prior to replacement. EXCEPT FOR THE EXPRESSED WARRANTY STATED ABOVE, THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE. Epoxy.com'S OBLIGATION SHALL NOT EXTEND BEYOND THE OBLIGATIONS EXPRESSLY UNDERTAKEN ABOVE AND Epoxy.com SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO THE PURCHASER OR ANY THIRD PARTY FOR ANY LOSS, COST, EXPENSE, DAMAGE OR LIABILITY, WHETHER DIRECT OR INDIRECT, OR FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. All quotes and sales subject to availability.