



EpoxySystems'™ Product #641

Heat Resistant Epoxy Coating

DESCRIPTION

EPOXYSYSTEMS' PRODUCT #641 is a moisture-insensitive, two-component, 100% solids epoxy coating.

EPOXYSYSTEMS' PRODUCT #641 is especially formulated to protect concrete, steel and wood subject to high temperatures and corrosion. **EPOXYSYSTEMS' PRODUCT #641** has a convenient 1:1 by volume mix ratio and is easy to apply.

ADVANTAGES

EPOXYSYSTEMS' PRODUCT #641 is resistant to high temperatures (300⁰-400⁰F) in addition to its high chemical resistance.

- High chemical resistance to acids, alkalies and other chemicals
- Cure under high humid conditions
- High build
- Excellent hardness and gloss
- Not brittle
- No blush or exudation
- High temperature resistance

USES

- Wall and Floor Coating for:
- Food and beverage processing plants
- Meat and dairy processing plants
- Chemical plants
- Laboratories
- Aircraft hangars
- Jet engine test cells
- Plant maintenance coating
- Pipe coating
- Tank coating

PHYSICAL PROPERTIES

Working life	30 minutes (at 75 ⁰ F)
Cure Time:	
Light traffic	24 hours
Heavy traffic	5 days
Tensile strength	8,500 psi
Tensile elongation	3%
Compressive strength	14,500 psi
Flexural strength	16,000 psi
Impact resistance (1200 ft. lbs./in.)	0.041
Hardness, Shore D	83
Linear shrinkage inches/inch	0.0033

CHEMICAL RESISTANCE

Chemical resistance - acids, alkalies, alcohols, acetone, cellosolves, toluene, xylene and other solvents.

100% retention of flexural strength after two (2) weeks cure followed by seven (7) days immersion at 77°F and 140°F in the following:

Nitric Acid	45%
Sulfuric Acid	20%
Hydrochloric Acid	35%
Acetic Acid	35%
Sodium Hydroxide	50%
Potassium Hydroxide	50%
Sodium Hypochlorite	15%

SURFACE PREPARATION

Remove dirt, loose particles and oil contaminants by scarification, sandblasting. Then vacuum or blow clean with an oil free compressed air.

MIXING

Mix 1 part "A" Component with 1 part "B" Component using a low-speed, 1/2" mixing paddle for 3-5 minutes. Apply immediately. Apply by brush, roller or spray. May require heat for spraying. High temperatures will shorten pot life.

COVERAGE

125-150 square feet per gallon.

CAUTION

WARNING! "A" Component contains Epoxy Resin. "B" Component contains alkaline amines; strong sensitizer. May cause skin sensitization or other allergic responses. Avoid inhalation of vapor. Use good ventilation, particularly if the material is heated or sprayed. Prevent all contact with skin and eyes. Wear protective clothing, goggles, gloves, and/or barrier creams. If contact with skin occurs, wash immediately with water and contact a physician.

FIRST AID: In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician. Wash clothing before reuse. Discard contaminated shoes. Wear protective clothing, goggles, gloves, and/or barrier creams.

KEEP AWAY FROM CHILDREN FOR INDUSTRIAL USE ONLY

For additional information please contact:

Epoxy Systems, Inc.

Dunnellon, FL 34431

352-489-1666

352-465-3497 (fax)

info@epoxy.com (Internet)

<http://www.epoxy.com> (WWW)

We warrant our materials to be of good quality and will replace any material proved defective. We believe that the technical information provided is reliable and that materials will perform to your satisfaction. However, we cannot guarantee final results

because of the many possible variations in field conditions and application procedures.