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The Right Product for the Right Job Since 1980



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Heat Resistant Epoxy Coating

Product #OSVX464

DESCRIPTION

Product #OSVX464 Heat Resistant Epoxy is a moisture-insensitive, two-component, 100% solids high temperature resistant epoxy coating. Product #OSVX464 Heat Resistant Epoxy is especially formulated to protect concrete, steel and wood subject to high temperatures and corrosion. Product #OSVX464 **Heat Resistant Epoxy** has a convenient 1:1 by volume mix ratio and is easy to apply.

ADVANTAGES

Product #OSVX464 Heat Resistant Epoxy is resistant to high temperatures (300°F - 400°F) 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 - up to 400°F

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°F)

Cure Time:

Light traffic	24 hours
Heavy traffic	5 days
Tensile strength	8,500 psi
Tensile elongation	3%
Compressive strength	14,500 p.s.i
Flexural strength	16,000 p.s.i
Impact resistance (1200 ft. lbs./in.)	0.041
Hardness, Shore D	83
Viscosity, CPS	A Component 20,000 to 45,000
	B Component 12,000 to 16,000
	Mixed 14,000 to 17,000
Linear shrinkage inches/inch	0.0033
Standard Color	Gray
Packaging (unit size including both components in 1 Part A and 1 Part "B" ratio)	2 gallon, 10 gallon

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.

Force cures must be used for enhancement of high temperature and chemical resistant properties or to allow the coating to be placed in service before 5 days. Allow the coating a post cure of 12 to 24 hours before force curing.

RECOMMENDED FORCE CURE SCHEDULE

Minimum 4 hours @ 150°F

Minimum 6 hours @ 250°

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.

Other customers who visited this page also visited:

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- [Product #1W](#) - Wall Grade Version of Epoxy.com Product #1
- [Product #2](#) - Chemical Resistant Epoxy coating.
- [Product #630](#) Novolac Coating and Binder
- [Product #633](#) Novolac Coating
- [Epoxy Chip Flooring System](#)
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KEEP AWAY FROM CHILDREN

FOR INDUSTRIAL USE ONLY

Proper mixing and installation is critical to the optimal success of all product. See [Installation Tips](#), [Techdata](#), & [MSDS](#) for more details on our products. Be sure to contact us with any questions and/or concerns that you have.

For more information please contact:

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