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MANUFACTURERS OF HIGH PERFORMANCE
EPOXY & POLYURETHANE FLOORING SYSTEMS

PolyCoat - 470

PolyCoat - 470 is a protective system for concrete or steel that demonstrates excellent resistance to inorganic acids, organic acids, alkalis and many other severe chemicals ranging from dilute to concentrated at ambient temperatures.

USES:

An excellent lining system for a variety of acids, alkalis, hypochlorites, free chlorine and many other chemicals. Used to line tanks, trenches, sumps and for protection of floors. Excellent adhesion, impact resistance and flexibility allow its use in the lining of filter tanks, brine tanks, settling tanks, tank trailers, tank bottoms in the petroleum industry, pulpers and storage tanks in paper mills, laboratory floors, water softening plants, electroplating rooms, fertilizers, storage areas etc.

ADVANTAGES:

Polycoat - 470 is available in clear and pigmented version. Room temperature curing as low as 40°F.

1. Seamless coating for floors and walls.
2. Non skid, non slip systems for floors using glass beads or flintshot sand.
3. Fiberglass reinforced systems for floors and walls.

PROPERTIES:

Viscosity (Mixed), CPS	2000-4000
Tensile Strength, PSI Min.	10,000
Tensile Elongating, % Min.	5
Tensile Modulus, X105 PSI	5.1
Flexural Modulus, X105 PSI	5.5
Flexural Strength, PSI	20,000
Heat Distortion Temperature, °F	290

Compressive Strength, PSI	18,500
Compressive Modulus, X105PSI	3.2
Barcol Hardness	40
Specific Gravity	1.17 - 1.33
Mixing Ratio	Add the entire amount of Part B Hardener to the entire amount of Part B or mix them by weight.
Pot Life @ 75°F + 2°F	30 Minutes.

SURFACE PREPARATION:

Remove any oil or grease from surface to be coated with clean rags soaked in Toluol.

STEEL: Dry abrasive blast to a white metal finish to a degree of cleanliness in accordance with NACE#1.

CONCRETE: New concrete floors should preferably be cured for at least 28 days then treated with 1:3 hydrochloric acid: Water solution, flushed with clean water and allowed to dry prior to applying the coating. Sand blasting or scarifying can also be used as preparation, not requiring acid treatment.

COVERAGE: 100-150 sq.Ft./gal. Coverage

may vary according to substrate conditions.

CHEMICAL RESISTANCE:

Polycoat-470 is chemical resistant to acids, alkalis and variety of other severe chemicals ranging from dilute to concentrated solutions. Here are the few listings. For your chemicals contact Delta Polymers Inc.

CHEMICAL ENVIRONMENT % CONCENTRATION RESULTS

Acetic Acid 75	Excellent
Ammonium Hydroxide 29	Excellent
Ammonia Gas	Excellent
Acetone	N.R
Barium Sulfate	Excellent
Benzene 100	Good

Benzoic Acid	Excellent
Boric Acid	Excellent
Brine	Excellent
Blood Sugar	Good
Butyl Alcohol	Excellent
Carbon Tetrachloride	Excellent
Chlorine	Excellent
Chloroform	N.R.
Chromic Acid 10	Excellent
Citric Acid	Excellent
Crude Oil	Excellent
Detergents P.H. 12 100	Excellent
Diesel Fuel 100	Excellent
Diethylene Glycol 100	Good
Distilled Water 100	Excellent
Ethanol 95	Good
Ethylchloride 100	N.R.
Fatty Acids	Excellent
Fertilizers	Excellent
Gasoline 100	Excellent
Hydrochloric Acid 37	Excellent
Isopropyl Alcohol	Excellent
Jet Fuel 100	Excellent
Kerosene 100	Excellent
Maleic Acid 100	Excellent
Methanol 100	N.R.
Methylene Chloride 100	N.R.

Methyl Ethylketane 100	N.R.
Mineral Oil 100	Excellent
Nitric Acid 20	Good
Phenol 88	N.R.
Phosphoric Acid 100	Excellent
Pulp Paper Mill Blowdown	Good
Sodium Hydroxide 50	Good
Sulfuric Acid 75	Excellent
Toluene 100	Excellent
Xylene 100	Excellent

Non-Warranty

This product is made under strict quality control procedures of Delta Polymers, Inc. No guarantee is given or implied. We assume no responsibility for coverage, performance or injuries resulting from use. Liability if any is limited to replacement of products which are defective in manufacture. No other warranty or guarantee of any kind is made by the seller, express or implied, statutory by operation or law or otherwise, including merchantability and fitness for a particular purpose.

Caution

Avoid contact with eyes and prolonged contact with skin. In case of eye contact, flush with plenty of water for at least 15 minutes and seek medical attention. For skin wash with soap and water. Keep away from children. For details see product data sheet and MSDS.

