



Dynamis Inc.

1. PRODUCT NAME

EPO COAT VA
Multi-purpose epoxy coating.

HI-SOLIDS
EPOXY
COATING

2. MANUFACTURER

Dynamis, Inc.
415 East Venice Avenue
Venice, Florida 34292

3. PRODUCT DESCRIPTION

BASIC USES: EPO Coat VA is an extremely versatile epoxy coating that exhibits outstanding durability, adhesion, chemical resistance, wear resistance and weatherability. This coating performs excellently on concrete, wood, metal, masonry surfaces and as a seal coat for troweled-on epoxy toppings.

EPO Coat VA is used as the base color coat in our Uni-Floor line of seamless epoxy floor systems, as it provides excellent adhesion to concrete. It also provides tough, long wearing, non-skid coatings when aggregates such as silica sand are broadcast into the surface.

EPO Coat VA is used to coat floors, walls, machinery and equipment in meat packing and beverage plants, paper processing facilities, hospitals, food processing facilities, loading docks, swimming pools and to provide extremely long wear factory safety lines. EPO Coat VA cures overnight in most conditions. Treated floors may be opened for light foot traffic in approximately 24 hours, and two to three days should be allowed for heavy duty traffic. Seven days should be allowed for maximum chemical resistance.

LIMITATIONS: Surfaces which are to be coated must, a) be at least 50° F, b) be clean and dry, c) be structurally sound and d) adequate ventilation must be provided.

COLOR: White, off white, tile red, blue, light and dark grey, beige, green and safety yellow are standard. Many other colors are available upon request.

GLOSS: High gloss unless otherwise specified.

APPLICABLE STANDARDS: When repairing, coating or resurfacing floors and other structural surfaces subject to incidental food contact in establishments operating under the Federal Meat and Poultry Inspection Program, notify FSIS prior to installation. Meets California Rule 443.1 and 1113.

COVERAGE:

Steel (4 mils)	350-450 sq. ft. per gallon
Concrete (2 coats)	one thin, penetrating coat, one heavy, build coat, 100-150 sq. ft. per gallon total for both coats.
Concrete Block (Sealed or previously painted)	150-200 sq. ft. per gallon

4. TECHNICAL DATA

Viscosity	70 -100 KU
Pot Life	8 - 12 hours
Tack-free Dry Time	3 - 5 hours
Pencil Hardness 3 days	#2
V.O.C.	317 grams / liter
Solids	76 ± 1
Gloss (60° meter)	100+
Impact Resistance Direct	190 + in. lbs.

CHEMICAL RESISTANCE: EPO Coat VA resists corrosion due to spillage of most generally used acids, alkalies, salts and organic compounds.

Alkalies:	Caustic, pot ash, ammonia, lime, soda ash and others.
Mineral Acids:	Sulphuric acid, phosphoric acid, hydrochloric acid.
Organic Solvents:	Petroleum, coal tar thinners, turpentine and others.
Salts:	Alkalines, acid and neutral.
Oxidizing Acids and Salts:	Up to 15% nitric, chromic peroxide and bleach.
Water:	Tap, distilled, di-ionized.
Foods and Organic Compounds:	Sugar, mineral oils and greases, vegetable and animal fats and oils. Cheese. Detergent, soap.
Beverages:	Milk, fruit and vegetable juices.

5. INSTALLATION

PREPARATORY WORK: No primer is required for applying EPO Coat VA to most surfaces except metal where extreme corrosive resistance is required. Metal in extremely corrosive conditions should be primed with EPO Coat Zinc Rich Primer. Surfaces must be free from paint, grease, oil, laitance, and other contaminants prior to application. This may be done by shotblasting, acid cleaning, sandblasting, scarifying, detergent cleaning

or grinding as applicable. New concrete must be free from laitance, sealers, curing compounds, etc. New concrete may be cleaned in the same manner as old concrete where required.

METHODS: EPO Coat VA may be applied by brush, roller or spray . Concrete and wood surfaces should receive a thin, penetrating first coat for maximum adhesion.

APPLICATION: Thinning after mixing is not normally required. Two coats of EPO Coat VA are recommended for most surfaces. When concrete or wood are to be coated, the first coat should be thinned one part mixed coating to one part thinner by volume. Thinner may be EPO Thinner or Methyl Ethyl Ketone (MEK). In California use 1, 1, 1, Trichlorethane only. Thin only where regulations permit, otherwise, apply as supplied.

MIXING: EPO Coat VA is mixed one part component A to one part component B by volume. The mixed coating should be allowed to stand (sweat-in) for approximately 30-60 minutes. Mixing should be done with an electric drill and jiffy mixer. Care should be taken to scrape the sides and bottom of mixing containers. Mix thoroughly for 3-5 minutes and re-mix after sweat-in time. Mixed coating may then be reduced if required for application. Material that is to be brushed, roller coated or airless sprayed will require little or no thinning.

EQUIPMENT CLEAN-UP: Clean tools and equipment immediately with commercial grade lacquer thinner or EPO Thinner. In California use 1, 1, 1, Trichlorethane only, or hot water and soap. Do not allow EPO Coat VA to set hard on tools or application equipment .

PRECAUTIONS: Flammable. Keep away from heat or open flame and pilot lights. Avoid prolonged contact with skin and breathing of vapor or spray mist. Use with adequate ventilation. Keep out of reach of children.

6. AVAILABILITY

EPO Coat VA is available from:

Dynamis, Inc.
415 East Venice Avenue
Venice, Florida 34292
(941) 488-3999
800-828-8929
FAX (941) 488-0747

7. GUARANTEE

The manufacturer warrants that the material meets specifications listed, and limits any warranty to the replacement of materials only.

The information contained in this specification is based on data obtained by our own research and is considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use of this data or product. This information is furnished and the product sold upon the condition that the person receiving it shall make his own test to determine the suitability of the material for his particular purpose.