



DeCara, Inc.  
dba

Dynamis

#### 1. PRODUCT NAME

EPO COAT NS-100

EPOXY NON-SLIP  
SAFETY COATING  
CONTAINS NO SOLVENTS  
100% SOLIDS

#### 2. MANUFACTURER

Dynamis  
415 East Venice Avenue  
Venice, Florida 34285

#### 3. PRODUCT DESCRIPTION

**BASIC USES:** EPO Coat NS-100 is a two component epoxy non-slip coating with aggressive non-slip qualities. It can normally be installed over weekend shutdown periods and will cure ready for use overnight, reducing costly down time.

EPO Coat NS-100 is used to provide non-slip surfaces on concrete, wood and metal surfaces. Ideal for use in food processing, machining, commercial marine, paper processing and general industrial applications, including loading docks.

**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) have adequate ventilation provided.

**COLOR:** Grey, red, yellow and black.

**APPLICABLE STANDARDS:** Accepted for use in establishments operating under The Federal Meat and Poultry Products Inspection Program. Notify FSIS inspector prior to installation. Meets California Rule 443.1 and 1113, OSHA, ADA & ASTM requirements.

**COVERAGE:** 50 sq. ft per gallon troweled on.

#### 4. TECHNICAL DATA

##### RESIN PROPERTIES

Shore D Hardness	84
Tensile Strength	7300
Elongation	7

Flexural Strength PSI Yield	13,300
Flexural Modulus PSI x 10 <sup>5</sup>	3.75
Water Absorption % 24 hrs @ 77° F	0.11
Compressive Strength	14,400 – 18,000 PSI
Impact Strength	144 inch/lbs.

**CHEMICAL RESISTANCE:** EPO Coat NS-100 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.
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. Soap, detergent.
Beverages:	Milk, fruit and vegetable juices.

## 5. INSTALLATION

**PREPARATORY WORK:** No primer is required for applying EPO Coat NS-100. Old concrete 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 must be clean, dry and cured a minimum of 30 days.**

**METHODS:** EPO Coat NS-100 may be applied by brush, trowel or phenolic roller. After mixing, pour a section on the surface to be treated, approximately 2' x 2'. When roller or brush applying, work the material in **ONE** direction only, using moderate pressure. Work material with slow, even strokes toward you. Do not over roll.

When trowel applying, use a straight blade finishing trowel and work material toward you in even strokes.

**APPLICATION:** Large, deep holes should be patched prior to application with EPO Patch and Grout.

**MIXING:** Mix each component thoroughly before combining. Pour contents of Can B into Can A and mix thoroughly for 3 to 5 minutes with a strong electric drill and Jiffy mixer. Care should be taken to scrape sides and bottoms of cans. Approximately 30 to 45 minutes per mixed batch will be available for application.

**EQUIPMENT CLEAN UP:** Clean tools and equipment immediately with Xylene or Acetone. Do not allow epoxy to set hard on tools or mixing equipment.

**PRECAUTIONS:** Avoid prolonged contact with skin and breathing of vapor or spray mist. Use with adequate ventilation. Keep out of reach of children. **Keep product from freezing.**

## 6. AVAILABILITY

EPO Coat NS-100 is available from:

Dynamis  
415 East Venice Avenue  
Venice, Florida 34285  
(941) 488-3999  
800/828-8929  
FAX (941) 488-0747  
[www.dcdynamis.com](http://www.dcdynamis.com)

## 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 the 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.

Revised – 03/07

