



**PRODUCT DATA SHEET**  
**EpoSany® - 6340**  
 100% Solids Modified Epoxy-Polyamide

**GENERIC TYPE:**

A two-component, High Solids Modified Epoxy-Polyamide.

**DESCRIPTION:** *EpoSany-6340* is a tough, high solids, high build coating developed for application at dry film thicknesses from 15 mils up to 1/8 inch (125 mils) in a single, continuous coat. A Low VOC, heavy-duty, highly resistant to chemicals, water, abrasion and corrosion coating. *EpoSany-6340* has excellent abrasion resistance and has excellent adhesion to properly prepared concrete and steel. *EpoSany-6340* has sufficient flexibility to withstand the expansion and contraction effects encountered in large storage tanks.

**FEATURES:**

- Does not require the use of Primer or Topcoat.
- Excellent resistance to deionized water up to 200 °F.
- Excellent resistance to crude oil, Water and Brine.
- Excellent abrasion resistance
- Excellent overall chemical resistance
- Single coat application reduces labor costs
- Resistant to inorganic and organic acids dilute, caustics dilute and most solvents aliphatics.

**RECOMMENDED USES:**

For use on properly prepared metal and concrete which will be subjected to fresh water immersion, salt water immersion, tidal and splash zone exposures and buried or underground conditions. *EpoSany-6340* is recommended for steel and concrete surfaces that may be exposed to moderately corrosive environments. It particularly recommended as a barrier coating for concrete pipe and floors, storage tanks, and process vessels in waste water treatment plants and oil refineries.

**Government Acceptances:** This coating has been approved and supplied to many city, state and local government agencies.

**Environmental Statement:** Contains no lead, mercury or chromate hazardous compounds. Complies with N.Y., N.J. and several other states, requirements for limitation of volatile organic compounds.

**NOT RECOMMENDED FOR:**

Containment of aromatic solvents or severely corrosive materials.

**PRIMER REQUIRED:**

None. *EpoSany-903* Primer or *EpoSany-793* Primer may be applied at 1 mil (25 microns) as a blast primer over steel. Over rough concrete a surfacer (*EpoSany-795 SC*) may be required. *EpoSany-6340* may be spray applied and then squeegeed to create a smooth surface and fill voids.



**SPECIFICATION DATA**

- **Solids Content By Volume:** 99% ± 2%
- **Theoretical Coverage Rate per Gallon: \***
  - 39.6 m<sup>2</sup> / Lit at 25 microns
  - 1.6 m<sup>2</sup> / Lit at 625 microns
- **Mixing and application losses will vary and must be taken into consideration when estimating job requirements.**
- **Temperature Resistance** (Immersion)
  - Continuous : 140 °F ( 60 °C )
  - Non-Continuous : 200 °F ( 93 °C )
- **Recommended Dry Film Thickness Per Coat:**
  - 15 – 25 mils may be applied up to 1/8 inch ( 125 mils ) in a single coat
- **Color Standard in :** Green Only. Part A is Blue and Part B is yellow to provide visual indication of adequate mixing.
- **Flexibility :** Excellent
- **Weathering :** Fair, Chalks and ambers in sunlight
- **Abrasion Resistance :** Excellent
- **Substrates:** Suitable prepared steel or cementitious surfaces.
- **Shelf Life :** 24 months when stored at 75 °F (25 °C)
- **Storage Conditions:**
  - Store indoors.
  - Temp.: 40 - 110 °F (4 -43 °C)
  - Humidity: 0 - 100%

**COATINGS COMPATIBLE :**

Should be applied over clean, blasted steel or concrete substrates or specified primers. Consult **SanyChem** Technical Service Department for specific recommendation.

**TOPCOAT REQUIRED:**

None Required. Exterior: May be topcoated with catalyzed epoxies, modified phenolics, Polyurethanes or others as recommended.

**TYPICAL CHEMICAL RESISTANCE**

Exposure	Immersion	Fumes
Acids, Dilute	Good	Excellent
Alkalies, Dilute	Good	Excellent
Solvents, Aliphatics	Excellent	Excellent
Sour crude Oil	Excellent	Excellent
Water	Excellent	Excellent
Salts	Excellent	Excellent

January 2001 replaces April 1998

To the best of our knowledge the technical data contained herein is true and accurate on the date of publication and is subject to change without prior notice. User must contact **SanyChem** Company to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to **SanyChem** quality control. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, is limited to replacement of products. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SANYCHEM, EXPRESS OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. **SanyChem** and **EpoSany** are registered trademarks of **SanyChem** Company.

# APPLICATION INSTRUCTIONS

These instructions are not intended to show product recommendations for specific service. They are issued as an aid in determining correct surface preparation, mixing instructions, and application procedure. It is assumed that the proper product recommendations have been made. These instructions should be followed closely to obtain the maximum service from the materials.

## Substrates & Surface Preparation

### General:

Remove any oil or grease from surface to be coated with clean rags soaked in **SolvenSany # 252** or **Surface AC Cleaner** in accordance with **SSPC-SP-1**.

### STEEL:

#### IMMERSION:

Dry abrasive blast to a White Metal Finish in accordance with SSPC-SP-5 to a degree of cleanliness in accordance with NACE # 1 to obtain a 3-4 mil (75-100 microns) blast profile.

#### NON-IMMERSION:

Abrasive blast to a Commercial Grade Finish in accordance with SSP-SP-6 a degree of cleanliness in accordance with NACE # 3 to obtain a 3-4 mil (75-100 microns) blast profile.

### Concrete

Do not coat concrete treated with hardening solutions unless test patch indicate satisfactory adhesion. Do not apply coating unless concrete has cured at least 28 days at 70 °F ( 21 °C) and 50% R.H. or equivalent time. Apply to properly prepared concrete that was acid etched or sweep sandblasted. The oil impregnated concrete is difficult to clean properly. All saturated oil must be removed for adequate adhesion to be maintained.

**Mixing:** Mix separately, then combine and mix in the following proportions.:

	1½ Gal. Kit	15 Gal. Kit
<b>EpoSany - 6340 P/A</b>	1.0 Gallon	10 Gallons
<b>EpoSany - 6340 P/B</b>	½ Gallon	05 Gallons

**Thinning:** Is Not required.

**Potlife:** 20 - 30 minutes at 75 °F and less at higher temperature. Potlife ends when coating begins to gel.

### Application Equipment

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results. The following equipment has been found suitable and is available from manufacturers such as Binks, DeVilbiss and Graco.

#### Spray Application (General)

The following spray equipment has been found suitable and is available from manufacturers such as Binks, DeVilbiss and Graco. Use adequate volume for correct operation. Use a 50% overlap with each pass of the gun. On irregular surfaces, coat the edges first, making an extra pass.

#### Airless Spray

Special designed, Plural-Component high Pressure Airless Spray Machine.

#### BINKS GRACO

**Pumps**  
Model "C" or Model "G" with 2:1 mix ratio  
BullDog Hydra-Cat Model 209-000 with 2:1 mix ratio

#### Transfer Pumps (Two required)

#### BINKS GRACO

4:1 (3/4" I.D. material line to dual component pump)  
10: 1 President ( ¾" I.D. material line to dual component)

#### Spray Gum

#### BINKS GRACO

Model 700  
208-663 Silver Airless  
Spray Tips: Orifice Size: 0.027" to 0.035"  
Fan Width: 10" to 14"

#### In Line Heaters (Two Required)

#### BINKS GRACO

42-5126, 115 or 220 VAC, 2250 Watts  
Viscon 226-816, 120 VAC 2100 Watts

#### Band Heater ( Two Required), 05 Gallon Pail.

#### BINKS ELECTRIC

104-1003, 115 VAC, 1500 Watts  
tph-5, 115 VAC, 1500 Watts

#### BINKS

**55 Gallons – Drum**  
104-1012, 115 VAC, 2500 Watts  
104-1023, 230 VAC, 3000 Watts

#### Mixer Manifold

#### GRACO

946-832  
Hose: Dual component Pump to Mixer Manifold  
3/8" I.D. minimum heated hose with 200 foot max. length

#### Solvent Pumps

#### BINKS GRACO

25:1 Economy ( ¼" I.D. line to mixer Manifold  
10:1 President ( ¼" I.D. line to mixer Manifold

## DRYING TIMES

Surface Temp. & 50% RH	Between Coats	Final Cure:
40 °F ( 4 °C)	96 hrs	-
60 °F ( 16 °C)	48 Hrs	12 Days
75 °F ( 24 °C)	24 Hrs	6 Days
90 °F ( 32 °C)	12 Hrs	3 Days

### TROWEL, BRUSH, ROLLER & SQUEEGEE:

Can be used for small jobs, touch-up work, forming of material after spraying, etc.

When applying material to concrete, these are useful tools for working the materia into voids, honeycombed areas, etc.

Use for patching and / or touch-up areas only. Use natural bristle brush applying with full strokes. Avoid rebrushing.

**NOTE:** f the cure time between coats is exceeded by more than 24 hours at 24 °C, the cured coat should be wiped down with **MetalCleaner # 200** using clean rags or mops and / or roughened by coarse sanding or sweep sandblasting prior to overcoating. Excessive humidity or condensation on the surface during curing may result in a haze or blush which should be removed by water washing before recoating.

## APPLICATION CONDITIONS

	Material	Surfaces	Ambient	Humidity
<b>Normal</b>	65 – 85 °F ( 18 – 29 °C)	60 – 80 °F ( 16 – 27 °C)	60 – 80 °F ( 16 – 27 °C)	30 – 70 %
<b>Minimum</b>	60 °F ( 16 °C )	40 °F ( 4 °C )	40 °F ( 4 °C )	0 %
<b>Maximum</b>	100 °F ( 38 °C )	100 °F ( 38 °C )	100 °F ( 38 °C )	85 %

Do not apply when the surface temperature is less than 5 °F or 3 °C above the dew point.

### Cleanup & Safety

#### Cleanup

Use **SolvenSany #272**. In case of spillage, absorb and dispose of in accordance with local applicable regulations.

#### Safety

Read and follow all caution statements on this product data sheet and on the MSDS for this product. Employ normal workmanlike safety precautions. Hypersensitive persons should wear protective clothing, gloves and use protective cream on face, hands and all exposed areas.

#### Ventilation

When used as a tank lining or in enclosed areas, thorough air circulation must be used during and after application until the coating is cured. The ventilation system should be capable of preventing the solvent vapor concentration from reaching the lower explosion limit for the solvents used. In addition to ensuring proper ventilation, appropriate respirators must be used by all application personnel.

#### Caution



This product contains flammable solvents. Keep away from sparks and open flames. All electrical equipment and installations should be made and grounded in accordance with the National Electric Code. In areas where explosion hazards exist, workmen should be required to use non-ferrous tools and wear conductive and non-sparking shoes.

**FOR INDUSTRIAL USE ONLY. KEEP AWAY FROM CHILDREN. 1/2001**



## Contact



For information and Prices, Please Call a SANYCHEM Local Sales Representative.

## Phones:



+58-212-6313092 | +58-414-3142752 | Fax: +58-212-6312441

SanyChem, Inc

600 N Pine Island Road # 450 Plantation, FL 33324-1311  
Phone +1-954-315-0252 / +1-800-432-0607 / Fax: +1-954-315-0280



## Internet:

[www.sanychem.com](http://www.sanychem.com)  
[sanychem@cantv.net](mailto:sanychem@cantv.net)  
[sales@sanychem.com](mailto:sales@sanychem.com)