



# Sundeavor

## Hi-Performance Industrial Polyamide Epoxy

Interior / Exterior • High Gloss  
5170 Line

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### Product Description

**Sundeavor Hi-Performance Industrial Polyamide Epoxy** is a high performance industrial two (2) component polyamide-epoxy coating, formulated for use on most properly prepared new and/or previously painted substrates in a variety of environments. It provides a cross-linked epoxy gloss finish that exhibits excellent hardness and durability, chemical and moisture resistance, and is resistant to alkali attack and corrosion. It provides excellent resistance to chemical cleanings, resists fresh & salt water, chipping, cracking & peeling and has excellent product versatility. It is ideal for use on ferrous and non-ferrous metal surfaces, as well as for protecting concrete surfaces in a variety of interior and exterior applications. As an industrial or high performance coating, it is excellent for use in petroleum refineries, food and beverage processing plants, metal finishing and fabrication shops, warehouses, power plants, pulp and paper mills, or where ever a high performance coating is required.

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### Recommended Substrates

#### Interior and exterior:

- masonry • concrete • fiberglass • containment walls
- floors • structural steel • iron • tanks
- galvanized metal • machinery • ceramic tiles
- plaster • gypsum drywall • etc.

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### Product Features

- Polyamide Epoxy Formula
- Excellent Coverage
- Excellent Durability
- Rust Inhibitive
- Corrosion Resistant
- Moisture & Alkali Resistant
- High Performance
- USDA Approved
- Product Versatility

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### Product Limitations

This product is for use on properly prepared above grade vertical substrates. Do not apply to horizontal surfaces or areas that come in constant contact with standing water. Not for use in areas subject to intense heat, corrosive or chemical environments.

### Product Data

<b>Product Type:</b>	Polyamide Epoxy
<b>Gloss @ 60°:</b>	High Gloss (90+)
<b>Percent Solids:</b>	Weight: 66.74 ± 2% Volume: 53.22 ± 2%
<b>Spread Rate:</b>	350 SFPG
<b>Wet Film Thickness:</b>	4.6 MILS
<b>Dry Film Thickness:</b>	2.4 MILS
<b>VOC Content:</b>	< 450 g/l
<b>Viscosity:</b>	80 Krebs per unit ± 3
<b>Application:</b>	Brush, roller, or airless or conventional spray
<b>Dry Time: (@75°F &amp; 50% RH)</b>	To Touch: 2 Hours To Recoat: 4 - 6 Hours, & within 36 Hours. Full Cure: 7 Days
(Dry times listed may vary according to relative humidity, temperature, film build, color and air movement.)	
<b>Flash Point:</b>	Flammable > 80°F
<b>Clean Up:</b>	Xylene
<b>Bases Available:</b>	Tinting white, midtone, and deep bases

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### VOC Compliance

- AIM/EPA

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### Performance

Complies with and meets performance criteria for specifications:

- N/A

## Surface Preparation

**Caution!** There is the potential to release lead dust if you sand scrape or remove old paint. Lead is toxic and exposure to lead dust particles can cause serious illness including brain damage especially in children. Pregnant women should avoid exposure. If adequate ventilation is not possible, wear a NIOSH approved respirator to avoid inhalation of the fumes and wear clothing designed to prevent skin contact. Clean up carefully with a HEPA vacuum and a wet mop. Before starting your project, you can find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or visit their website at [www.epa.gov/lead](http://www.epa.gov/lead).

**General Surface Preparation:** All surfaces must be sound, dry, clean and free of oil, grease, dirt, mildew, mil scale, form release agents, curing compounds, loose and flaking paint, rust, efflorescence and any other surface contaminants.

**New Surfaces: Concrete & Masonry** – All new masonry surfaces must be allowed to dry/cure a minimum of 30 days before painting. Acid etch or abrasive blast all slick, glazed concrete or concrete with laitance.

**Galvanized & Non-Ferrous Metals** – Solvent clean the surface in accordance with SSPC-SP1 Solvent Cleaning specifications for metal surfaces. If any oxidation (white rust) has formed, remove as per SSPC-SP2 Hand Tool Cleaning, SSPC-SP3 Power Tool Cleaning specifications for metal surfaces.

**Steel & Ferrous Metals** – Remove any loose rust, mill scale or rust deposits from metal surfaces by the methods described above, and in accordance with the Steel Structures Paint Council specifications SSPC-SP1 Solvent Cleaning, SSPC-SP2 Hand Tool Cleaning, SSPC-SP3 Power Tool Cleaning, and SSPC-SP6 Commercial Blast Cleaning methods for proper surface preparation of metal surfaces.

**Previously Painted Surfaces:** Remove any loose scale, chalked, cracked or peeling paint from previously painted surfaces by hand scraping, sanding, wire brushing or by power tool cleaning methods, such as electric sanders, grinders, etc. Previously painted surfaces that are in poor condition should be completely stripped to reveal a more compatible surface for paint application. Sand smooth all rough paint edges to the adjacent surface area, and sand all glossy surfaces to effectively dull existing sheen levels. Repair/replace any damaged, deteriorated, and surface imperfections with the proper patching compounds or building materials. Prime all bare, new, chalked, and repaired surfaces with the properly specified primer.

**Mildew** - Surface areas affected by mildew should be washed with a commercial mildew removal product, carefully following manufacturer's application and safety directions. Rinse thoroughly with clean water, and allow a minimum of 24 hours to dry thoroughly.

## Storage and Disposal

Product should be kept from freezing temperatures or temperatures above 95°F. Refer to your local city or county government for instructions on disposal options.

## Directions for Use

**Application:** Mix equal volumes of Part A & B components as stated in the Mixing Instruction Section below. **MIX ONLY WHAT YOU INTEND TO USE!** Stir thoroughly in a spiral up and down motion before and during application to keep product completely mixed. For best results, it is recommended to apply two (2) finish coats. To assure color uniformity always intermix multiple containers of custom tinted and stock colors. Apply a small test sample to verify color. Always paint to a natural break in the surface, such as a corner or edge. When applying by brush, apply a smooth and generous coat on smaller surface areas, such as cutting-in larger surfaces and painting trim. When applying by roller cover, apply an even and generous coat in a "W" or crisscross motion, avoiding any excessive respreading or reworking. When applying by airless spray equipment, use a unit with a minimum of 2000 psi of pressure, with a 0.015 – 0.017 fluid spray tip. During spray application, it is recommended to back-roll the surface area to ensure proper adhesion, and an even coat application. Maintain a wet edge during application by brushing, rolling or spraying into previously applied coating area. Apply when surface and ambient temperatures are above 55° F and below 90° F. Avoid exterior paint application when weather conditions are threatening, and late in the day when there is a threat of moisture condensing on wet paint.

**Mixing Instructions: Sundeavor Hi-Performance Industrial Polyamide Epoxy** is formulated as a 1 to 1 ratio mix, example - 1 full gallon of part A mixed with 1 full gallon of part B. Stir both Part A and B components thoroughly with a paint paddle in a spiral up and down motion or with an electric mixer. In a separate container, mix equal parts of both components. **NOTE: Only Mix What You Intend To Use.** Stir Part A and B mixture thoroughly, and allow a 30 minute induction period. Mixed material has a 12 to 18 hour pot life after combining, and should be applied during this time period. **Neither Component Will Work Unless Mixed With The Other!**

## Safety

**CAUTION: FLAMMABLE! CONTAINS XYLENE, NAPHTHA & GLYCOL ETHER! KEEP OUT OF REACH OF CHILDREN! HARMFUL OR FATAL IF SWALLOWED!** Keep away from heat, sparks and open flames. **INSURE PROPER CROSS-VENTILATION UNTIL COATING HAS DRIED!** Turn off main gas valve until after coating has dried, then have pilot lights re-lighted by a responsible person. Where ventilation is inadequate, use a suitable respirator. Avoid prolonged contact with skin and breathing of vapors and/or spray mists. When spraying this material, use an **OSHA** approved cartridge respirator. Use chemical safety glasses, goggles, or a face shield for proper eye protection. Wash thoroughly after handling and before eating or smoking. Close container after each use. **DO NOT TAKE INTERNALLY!**

**FIRST AID:** In case of skin contact, wash thoroughly with plenty of warm soapy water. For eye contact, flush with plenty of water for 15 minutes, **SEEK IMMEDIATE MEDICAL ATTENTION!** If affected by inhalation, move immediately to fresh air. If swallowed, **DO NOT INDUCE VOMITING, SEEK IMMEDIATE MEDICAL ATTENTION!**

**NOTICE:** Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents herein may be harmful or fatal.

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