

- [Home](#)
- [Product Catalog](#)
- [About Us](#)
- [Adhesives](#)
- [Chemical Resistant](#)
- [Epoxy Coatings](#)
- [Flooring](#)
- [Installation](#)
- [Joints](#)
- [Mortars & Grouts](#)
- [Primers & Sealers](#)
- [Specifier's Info](#)
- [Structural](#)
- [Waterproofing](#)
- [MSDS & Tech Data](#)
- [Ordering Info](#)

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## Hi-Build Epoxy Coating

**100% Solids Zero VOC Epoxy Coating**

**Epoxy.com Product #1**

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### GENERAL DESCRIPTION

**Product #1 All Purpose Epoxy Floor and Tank Coating** a two component, industrial strength zero (0) VOC, 100% solids epoxy Hi-Build epoxy coating used to coat concrete, steal and most common construction materials. Excellent for use in high foot traffic and light to moderate forklift traffic areas where abrasion resistance is required; for protection against mild corrosion and as a decorative waterproof coating for walls, floors, tanks, etc. It can be broadcast with appropriate silica sand (contact Epoxy.com Technical Support for a recommendation), to create a thicker flooring system in high abrasion situations.

### ADVANTAGES

- Moisture Insensitive
- Ceramic like finish [Coating Installation Guide](#)
- Industrial Strength



- Sprayable
- Solvent Free - 0.0 lbs VOC
- Waterproof
- Extremely Durable
- Chemical Resistant

## [Coatings Calculator](#)

*Epoxy.com Product #1 All Purpose Epoxy Coating in a Burlington, Vermont Water Plant*

## SURFACE PREPARATION

Surface to receive free **Product #1 - 100% Solids, VOC All Purpose Epoxy Floor and Tank Coating**, must be clean and sound. Remove all dirt, laitance, grease curing compounds and other foreign matter by sandblasting, or mechanical abrasion. Remove water and dust from all surfaces with an oil free blast immediately prior to application. [See Epoxy.com Surface Preparation Guide](#) form more details.



*Epoxy.com Product #1 All Purpose Epoxy Coating on Plywood walls and Floors.  
Installation and Picture by: [Suwannee River Rendezvous Resort & Campground](#)*

## MIXING INSTRUCTIONS

Temperature of **Product #1 - 100% Solids, VOC All Purpose Epoxy Floor Coating**, must be 50 °F or above at time of mixing. Stir each component separately before blending. Mix two parts by volume of Part A with one part by volume of Part B for three minutes with a low speed electric drill motor equipped with a mixing paddle.

## APPLICATION

Epoxy Primer Product [#899](#) (or for a more chemical resistant primer Product [#12](#)) is recommended for concrete surfaces. Allow primer to cure until it is tack-free. Then apply **Product #1 - 100% Solids, VOC All Purpose Epoxy Floor and Epoxy Coating**, with a roller, brush, or spray equipment. Two coats are recommended. Apply at a rate of 160 to 200 SF Per gallon per coat (8-10 mils) with 2 coats recommended. Seven days cure time is required to reach maximum chemical resistance. For more information before installing please see [installation tips](#).

## LIMITATIONS

DO NOT apply at temperatures below 50° F. Surface must be dry.

## SAFETY PRECAUTION

Prolonged or repeated exposure may cause eye and skin irritation. If contact occurs, wash immediately and seek medical help. Use safety glasses with side shields and wear protective rubber gloves.



## CLEANING

All tools and equipment should be cleaned before the system gels. Use MEK, Acetone, or any lacquer solvent

*Product #1 All Purpose Epoxy Coating on the floor of Tri-Town Water District (Vermont) Floor*

## APPLICATION PROPERTIES @77° F

Mix Ratio	2:1 By Volume
Viscosity (mixed)	950 CPS
Pot Life (200 gr.) in minutes @70° F.	30-40 (normal cure)
VOC Content	"0.0" (zero)
Recommended Application Rate	160-200 SF per gallon per coat
Set Time in Hours @ 70°F.	10-12 (normal cure)
Initial Cure	24 Hours
Final Cure	5 Days
Packaging Unit Size	3 gal. 15 gal.
Standard Colors	<a href="#">See Color Chart</a>
<b>Typical Coefficient of Friction-Rubber Shoe Surface with Epoxy.com Product # 50 Anti-skid Fine Non-Skid Added</b>	<b>ASTM F-489</b>
Static Friction w/ Saltwater Solutions on surface	0.90-0.97
Static Friction w/ oil on Surface	0.72-0.75
Sliding Friction w/ Saltwater Solution on Surface	0.87-.090

[Click the picture](#) of color card at the side for a larger version of this picture of the color chart.

**Please note:** The picture to the right is a photographic reproduction of the color card for this product. The photo reproduction process and your monitor and/or printer will change these colors. This chart is to give you an idea of the colors



available and not intended for critical color selections.

## Material Certification of LEED Requirements

Epoxy.com a division of Epoxy Systems, Inc. certifies that **Product #1 - 100% Solids, VOC All Purpose Epoxy Coating**, meets or exceed LEED requirements as summarized below:

### LEED Credit IE 4.2:

Indoor Environmental Quality/Air Quality Before Occupancy Materials meet the requirement for VOC content Pertaining to LEED IEQ 402 Indoor Emitting Materials Credit. Refer to the individual product component technical data sheets and MSDS for further information.

[Epoxy Coating Installation Guide](#)

[Epoxy Coatings Calculator](#)

### Other customers who visited this page also visited:

- [Product #1W](#) - Wall Grade Version of Product #1 All Purpose Epoxy Coating
- [Product #2](#) - Chemical Resistant Epoxy Floor Coating.
- [Product #2W](#) - Chemically Resistant Epoxy Wall Coating.
- [Product #315BC](#) - Epoxy Chip Flooring System Base coat.
- [Product #633](#) - Epoxy Novolac Floor Coating - extremely chemical resistant
- [Epoxy Chip Flooring System](#)
- [Epoxy Coatings Page.](#)

Proper mixing and installation is critical to the optimal success of all products. See [Installation Tips](#), [Techdata](#), & [MSDS](#) for more details on our products. Be sure to contact us with any questions and/or concerns that you have.

For more information please contact:

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