

MVE 100% Epoxy Primer

Features

- 100% Solids, No VOC's, No HAPS
- Low Viscosity for Excellent Penetration
- User Friendly with Long Re-coat Windows
- Pigmented to Allow Applicators Easy Visibility
- Easy Application- Including Roller or Spray
- Virtually No Odor

Typical Uses

GripCrete 1750 MVE is a 100% solids, No VOC's, low odor, concrete sealer/primer designed to minimize concrete outgassing and moisture vapor transmission. US Coatings 1750 is suitable for use as a primer in confined spaces, underground or above ground concrete coating applications.

1750 can be used on damp concrete surfaces with excellent results. Prior to use, verify re-coat windows, temperature limitations, mix ratios, and pot life information in the "Performance" table. US Coatings 1750 is supplied in pre-measured kits.

There is no need for measuring volume ratio.

Color

Off-white or Clear

Limitations

US Coatings 1750 is an aromatic epoxy. While the physical properties may not be affected, the epoxy could fade or chalk with exposure to UV light or mercury vapor light. Each individual user should check the product compatibility with their own application requirements prior to use.

Physical Data

Adhesion to concrete (ASTM D 7234)	
Dry	Substrate Failure
Damp	Substrate Failure
Theoretical volume solids of mixed material	100%
Theoretical coverage of mixed gallon (1 mil)	1604 sq. ft.
Volatile Organic Content	
VOC	0.0 lbs./gal. 0.0 g/l

Film Thickness (per coat)

Dry film thickness: 5 to 10 mils
Wet film thickness: 5 to 10 mils
Theoretical coverage: 160-320 sq. ft

Note: Material is designed to "soak-in" and penetrate concrete.

Topcoats

GripCrete 1750 like other epoxies, tends to chalk and amber when exposed to sunlight in a humid environment. Urethane or polyaspartic topcoats are recommended to control the erosion of the epoxy and maintain a colorfast system. Gripcrete 200 SL and GripCrete 9000 PA are recommended topcoat for GripCrete 1750 MVE.

Shipping Data

Packaging unit	<u>2.5 gal.</u>	<u>7.5 gal</u>
Base	1.5 gal.	5.0 gal
Converter	1 gal.	2.5 gal

Shelf Life: The product can be stored for one year in factory delivered, unopened drums. Keep away from extreme heat, freezing, and moisture. Proper storage temperature is between 50°F and 100°F.

Surface Preparation

Prior to coating, the substrate must be prepared in a manner that provides a uniform, clean, sound, neutralized surface suitable for the specified coating. The substrate must be free of all contaminants, such as oil, grease, rust, scale or deposits. In general, coating performance is proportional to the degree of surface preparation.

Concrete and Masonry surfaces must be sound and contaminant-free with a surface profile equivalent to a CSP3 to CSP5 in accordance with ICRI Technical Guideline No. 03732. This can generally be achieved by abrasive blasting, shot blasting, high pressure water cleaning, water jetting, or a combination of methods.

Mixing

Power mix A & B separately, then combine A & B and power mix for 2 minutes. No thinning required:

By Volume	<u>1.5 Gal. Kit</u>	<u>7.5 Gal Kit</u>
GripCrete 1750 Base A	1.0 gallon	5.0 gallon
GripCrete 1750 Base B	0.5 gallon	2.5 gallon

By Weight Ratio	
GripCrete 1750	100:58

Thinning

Power mix A & B separately, then combine A & B and power mix for 2 minutes.

No thinning required.

Pot Life

50 minutes at 72 F

Applications Conditions

	<u>Material</u>	<u>Surface</u>	<u>Ambient</u>
Minimum	35°F	32°F	32°
Maximum	90°F	140°F	140°F

Material should be at above 60 F for optimal performance. Surface temperatures should be 5°F above dew point to prevent condensation.

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Application Equipment

General: Spray (US Coatings 1750- 52 min Pot Life @ 72°F)

This high solids coating may require adjustments in spray techniques.

Conventional Spray:

Pressure pot equipped with dual regulators. 3/8 I.D. minimum material hose. 0.070" I.D. fluid tip and appropriate air cap

Airless Spray:

Pump Ratio: 30:1 (Min.)
GPM Output: 0 (Min.)
Tip Size: .017" to .021"
Output PSI: 2200-2500
Filter Size: 60 Mesh

Teflon packing are recommended. Use 45:1 pump ratio for elevated applications and 1/2" I.D. hose lengths greater than 60'. It is recommended to "back roll" the US material after spray application to maximize its effectiveness.

Roller/Squeegee:

Use medium brush and short nap roller lint free woven roller. A flat or 1/16" notched squeegee may be used to move material then immediately cross rolled utilizing spiked shoes for application.

Drying Time

The following minimum times are based on a 5 mil DFT and adequate air ventilation. Higher thickness and reduced air circulation increase drying times.

Surface

Temperature
72°F

To Touch
6-8 hrs.

To Recoat
6-8 hrs.

Maximum
7 days

Maximum Recoat

Max recoat is 7 days at 70 F.

Cleanup

Cured product may be disposed of without restriction. The un-cured portions should be mixed together and disposed of in a normal manner. "Drip free" containers should be disposed of according to state, local, and federal laws

Rev. 1/30/17

CAUTION: Read and follow all caution statements on this product data sheet and on the Material Safety Data Sheet for this product.

CONTAINS FLAMMABLE SOLVENTS. Vapors are heavier than air and will accumulate. Extinguish all flames and prevent all sparks. All electrical equipment and installations should be made and grounded in accordance with the National Electrical Code. Where explosion hazards exist workers are required to use non-sparking tools and wear non-sparking shoes.

HEALTH: In confined spaces workers must wear fresh airline respirators.

WARRANTY: Any recommendation of U.S. Coatings contained herein, covering use, utilization, chemical or physical properties and other qualities of the products sold is believed reliable; however U.S. Coatings makes no warranty or representation with respect thereto. Use or application is at the discretion of the Buyer without liability or obligation whatsoever of U.S. Coatings.

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