

DESCRIPTION

A high gloss epoxy polyamide. Part A and Part B mixed prior to application.

General Properties: US Crete Topcoat is a high-gloss finish coat with excellent appearance, water resistance, chemical resistance, gloss and smoothness, and excellent physical properties. Convenient mixing ratio provides for easy use in the field.

RECOMMENDED USES

As a seal coat over similar materials where a smooth, hard, glossy surface is desired for appearance, ease of cleaning or to prevent dirt accumulation, US Crete Topcoat provides additional corrosion protection to a high build epoxy system.

Not recommended for: Immersion service, or exposure to strong acids or solvents.

CHEMICAL RESISTANCE GUIDE

Exposure	Splash & Spillage	Fumes
Acids	Good	Very Good
Alkalies	Very Good	Excellent
Solvents	Good	Excellent
Salt	Excellent	Excellent
Water	Excellent	Excellent

Temperature resistance: (non-immersion)

Continuous : 200°F (93°C)

Non-continuous: 250°F (121°C)

Flexibility : Very Good

Weathering : Good (Chalks)

Abrasion resistance : Excellent

SUBSTRATES

May be applied over properly primed metals, cementitious surface or others as recommended.

TOPCOAT REQUIRED

Normally applied as a gloss coat over US guard 893 and/or 890.

COMPATIBILITY WITH OTHER COATINGS

Catalyzed epoxies and phenolic coatings as recommended.

THEORETICAL SOLIDS CONTENT OF MIXED MATERIAL

US CRETE TOPCOAT	By Volume
Varies with Color	49% ± 2

RECOMMENDED DRY FILM THICKNESS PER COAT

2 mils (50μ)

Note : Light colors of US Crete Topcoat may require two coats to hide when applied over dark surfaces.

THEORETICAL COVERAGE PER MIXED GALLON

786 mil sq. ft. (19.6 sq. m/ℓ at 25μ)

393 sq. ft. at 2 mils (9.8 sq. m/ℓ at 50μ)

Note Material losses during mixing and application will vary and must be taken into consideration when estimating job requirements.

SHELF LIFE : 24 months minimum.

COLORS : Available in a variety of colors. Consult your local US Crete Sales Representative or US Crete Customer Service for availability.

GLOSS : High

ORDERING INFORMATION: Prices may be obtained from US Crete sales representative.

APPROXIMATE SHIPPING WEIGHT

	2's	10's
US Crete Topcoat	23 lbs.(10.5 kg)	155 lbs.(70.4 kg)
Thinner #15	9 lbs.(4.1 kg)	45 lbs.(20.4 kg)
	in 1's	in 5's
Thinner #33	9 lbs.(4.1 kg)	45 lbs.(20.4 kg)
	in 1's	in 5's

FLASH POINT (Pensky – Martens Closed Cup)

US Crete Topcoat Part A 66°F (19°C)

US Crete Topcoat Part B 60°F (16°C)

Thinner #15 77 °F (25°C)

Thinner #33 101 °F (28°C)



SURFACE PREPARATIONS

Remove any oil or grease from surface to be coated with clean rags soaked in Thinner 2 or toluol in accordance with SSPC-SP 1-82.

Steel : Apply over clean, dry recommended primer or tie coat.

Concrete : Apply over clean, dry recommended surface or primer.

MIXING

Power mix separately, then combine and mix in the following proportions:

Thin up to 15% by volume with Thinner #15 for spray applications. For brush or roller applications, use Thinner #33 up to 5% by volume.

Note: Use of thinners other than those supplied or approved by US Crete may adversely affect product performance and void product warranty, whether express or implied.

POT LIFE

8 hours at 75°F (24°C) and less at higher temperatures. Pot life ends when coating loses body and begins to sag.

APPLICATION TEMPERATURES

	Material	Surfaces
Normal	65-85°F (18-29°C)	65-85°F (18-29°C)
Minimum	55°F (13°C)	50 °F (10°C)
Maximum	90°F (32°C)	135°F (57°C)

	Ambient	Humidity
Normal	60-75°F (16-24°C)	NA
Minimum	45°F (7°C)	0%
Maximum	95°F (35°C)	90%

Do not apply when the surface temperature is less than 5°F (3°C) above the dew point. Special thinning and application techniques may be required above or below normal conditions.

SPRAY

Use sufficient air volume for correct operation of equipment. Use a 50% overlap with each pass of the gun. On irregular surfaces, coat the edges first, making an extra pass later.

Note: The following equipment has been found suitable, however, equivalent equipment may be substituted.

Conventional: Use a 3/8" minimum I.D. material hose. Hold gun approximately 12-14 inches from the surface and at a right angle to the surface.

Mfr. & Gun	Fluid Tip	Air Cap
Binks #18 or #62	63B	63PB
DeVilbiss P-MBC or JGA	FX	704
Approx..043" I.D.		

Airless: Use a 3/8" minimum I.D. material hose. Hold gun approximately 18-20 inches from the surface and at a right angle to the surface.

Mfr. & Gun	Pump*
DeVilbiss JGB-507	QFA-519
Graco 205-591	President 30 : 1 or Bulldog 30 : 1
Binks Model 700	B5-18 29 :1 or B8-36 37 : 1

*Teflon packings are recommended and available from pump manufacturer. Use a .013" -.015" tip with 2000 psi.

BRUSH OR ROLLER

For small areas or touch-up only. Use a medium, natural bristle brush, with full strokes. Avoid rebrushing. Use short nap mohair roller with phenolic core. Thin up to 10% by volume with Thinner #33.

DRYING TIMES

Temperature	Between Coats	Final Cure
50°F (10°C)	24 Hours	12 Days
60°F (16°C)	12 Hours	6 Days
75°F (24°C)	6 Hours	3 Days
90°F (32°C)	3 Hours	2 Days

CLEAN UP : Use Thinner #2.

STORAGE CONDITIONS

Temperature : 40-110°F (4-43°C)
 Humidity : 0-100%

