



# US CRETE TOPCOAT

## 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 : 93°C  
Non-continuous: 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.

## 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

19.6 sq. m/ℓ at 25µ  
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 :** 12 months minimum.

**COLORS :** Available in a variety of colors. Consult your local US Crete Sales Representative or Main office

**GLOSS :** High

**PACKING** 16 litres/set ( # 22.3 kgs/set)

## FLASH POINT (Pensky – Martens Closed Cup)

US Crete Topcoat Part A	19°C
US Crete Topcoat Part B	16°C
US Thinner #15	25°C
US Thinner #33	28°C





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## 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: 4A: 1B

Thin up to 15% by volume with US Thinner #15 for spray applications. For brush or roller applications, use US 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 24°C and less at higher temperatures. Pot life ends when coating loses body and begins to sag.

## APPLICATION TEMPERATURES

	Material	Surfaces
Normal	18-29 <sup>0</sup> C	18-29 <sup>0</sup> C
Minimum	13 <sup>0</sup> C	10 <sup>0</sup> C
Maximum	32 <sup>0</sup> C	57 <sup>0</sup> C

  

	Ambient	Humidity
Normal	16-24 <sup>0</sup> C	N/A
Minimum	7 <sup>0</sup> C	0%
Maximum	35 <sup>0</sup> C	90%

Do not apply when the surface temperature is less than 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.

## 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 US Thinner #33.

## DRYING TIMES

Temperature	Between Coats	Final Cure
10 <sup>0</sup> C	24 Hours	12 Days
16 <sup>0</sup> C	12 Hours	6 Days
24 <sup>0</sup> C	6 Hours	3 Days
32 <sup>0</sup> C	3 Hours	2 Days

**CLEAN UP** : Use US Thinner #2.

## STORAGE CONDITIONS

Temperature : 4 - 43°C

Humidity : 0 - 100%

