

## Selection Data

**GENERIC TYPE** : Single package, water-borne vinyl, strippable, decontamination coating.

**GENERAL PROPERTIES** : Applied over a contaminated surface, Alara 1146 Strippable Coating attracts and binds surface contaminants. The coating migrates into microvoids of the surface to contact contaminants. Upon cure, the product mechanically locks the contaminants into a polymer matrix. Removal of the film decontaminates the substrate and produces a solid waste.

- High decontamination factors
- Rapid application and removal
- Reduced waste volumes
- Immobilization of surface contamination
- Reduction of airborne activity

**RECOMMENDED USES** : Recommended for removal of surface contaminations, including radio-nuclides, and decontaminating radioactive polluted areas.

**NOT RECOMMENDED USES** : Reactor cavity decontamination or immersion service.

### TYPICAL CHEMICAL RESISTANCE :

<u>Exposure</u>	<u>Splash &amp;Spillage</u>	<u>Fumes</u>
Acids	Not Recommended	Not Recommended
Alkalies	Good	Good
Solvents	Good	Good
Salt	Good	Good
Water	Good	Good

### TEMPERATURE RESISTANCE : (Non-immersion)

Continuous : 120°F(49°C)  
Non-Continuous : 100°F(37°C)

**SUBSTRATES** : Previously contaminated surfaces.

## Specification Data

### THEORETICAL SOLIDS CONTENT :

	<u>By Volume</u>
Alara 1146 Strippable Coating	41% ± 2%

### VOLATILE ORGANIC CONTENT(VOC) :

As supplied : 0.12 lbs/gal (14 g/l)

**RECOMMENDED DRY FILM THICKNESS PER COAT** :  
20-30 mils (500-750μ)\*

\*Strippability is film thickness dependent. Low film thicknesses will cause difficulty in removing film. Film thicknesses above the recommended maximum will cause slower dry times.

### THEORETICAL COVERAGE PER GALLON\* :

658 mil sq. ft. (16 sq. m/l at 25μ)  
26 sq. ft. at 25 mils (0.6 sq. m/l at 625μ)

\*Mixing and application losses will vary and must be taken into consideration when estimating job requirements.

### FIRE DATA (ASTM E-84) @ 20-25 MILS :

20(flame), 25(fuel), 25(smoke)

**CHARCOAL FILTER** : 99.3% efficiency after 2 hours @ 40 FPM face loading (methyl iodide)

**DECONTAMINATION FACTOR** : 30-100 (varies with substrate)

**STORAGE CONDITIONS** : Store indoors.  
Temperature : 40-110°F(4-43°C)  
Humidity : 0-90%

**SHELF LIFE** : Twelve months when stored at 75°F(24°C)

**CHLORIDE CONTENT (WET FILM)** : 60 ppm

**COLORS** : Blue only.

## Ordering Information

Prices may be obtained from your local Carboline Company Imperial division Sales Representative or Carboline Customer Service Representative.

### APPROXIMATE SHIPPING WEIGHT :

	<u>1's</u>	<u>5's</u>
Alara 1146 Strippable Coating	9.4 lbs. (4.3 kg)	47.5 lbs. (21.5 kg)

### FLASH POINT : (Pensky-Martens Closed Cup)

Alara 1146 Strippable Coating : > 200°F(93°C)

# Alara<sup>®</sup> 1146 Strippable Coating

**SURFACE PREPARATION** : Not required.

**MIXING** : Stir material thoroughly before and throughout application.

**THINNING** : Do not thin except for workability, and then with no more than 10% by volume with fresh water.

## APPLICATION TEMPERATURES :

	<u>Material</u>	<u>Surfaces</u>
Normal	70°F(21°C)	70°F(21°C)
Minimum	40°F( 4°C)	35°F( 1°C)
Maximum	90°F(32°C)	110°F(37°C)
	<u>Ambient</u>	<u>Humidity</u>
Normal	70°F(21°C)	50%
Minimum	35°F( 1°C)	10%
Maximum	100°F(37°C)	85%

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 condition.

**SAFETY** : Alara 1146 Strippable Coating is free of solvents and toxic materials. Fresh airline respirators are recommended to prevent inhalation of overspray, however, applicators must adhere to specific safety precautions appropriate to jobsite requirements. Consult the Material Safety Data Sheet prior to use.

**SPRAY** : The following spray equipment has been found suitable and is available from manufactures such as Binks, Devilbiss and Graco.

## Airless :

Pump Ratio	: 30 : 1 (min.)
GPM Output	: 3.0 (min.)
Material Hose	: 3/8" I.D.(min.)
Tip Size	: 0.021~0.025"
Output PSI	: 50~60

\*Teflon packings are recommended and are available from the pump manufacturer.

**NOTE** : Flush all equipment with water prior to use. Apply Alara 1146 Strippable Coating in full wet passes, overlapping each pass 50%. Be certain to achieve a minimum wet film thickness of 45-50 mils (1125-1250μ)

**BRUSH OR ROLLER** : Power roller. Use a medium to large nap roller. Brush application not normally recommended except for touch up of small areas.

**CAUTION : STRIPPED MATERIAL MUST BE DISPOSED OF IN STRICT ACCORDANCE WITH APPLICABLE REGULATIONS.**

**DRYING TIMES** : These times based on recommended dry film thickness of 25 mils (523μ) at 75°F(24°C) and 75% R.H.

Foot traffic : 18 hours  
To remove : 24 hours

## HOURS SET TO TOUCH (50 mil wet film):

	<u>60% RH</u>	<u>70% RH</u>	<u>80% RH</u>
60°F	9 Hrs	12 Hrs	15 Hrs
90°F	5 Hrs	6.5 Hrs	8 Hrs

**CLEAN UP** : Use Carboline Thinner #26

CAUTION: CONTAINS FLAMMABLE SOLVENTS. KEEP AWAY FROM SPARKS AND OPEN FLAMES. IN CONFINED AREAS WORKMEN MUST WEAR FRESH AIRLINE RESPIRATORS. HYPERSENSITIVE PERSONS SHOULD WEAR GLOVES OR USE PROTECTIVE CREAM. ALL ELECTRIC EQUIPMENT AND INSTALLATIONS SHOULD BE MADE AND GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE. IN AREAS WHERE EXPLOSION HAZARDS EXIST. WORKMEN SHOULD BE REQUIRED TO USE NONFERROUS TOOLS AND TO WEAR CONDUCTIVE AND NONSPARKING SHOES.

