

Selection & Specification Data

Generic Type:	Aliphatic Acrylic Polyurethane
Description:	A clear coat finish that provides added UV protection over pigmented Union Compound polyurethanes. Exceptionally hard film and excellent depth-of-image provide extended service life to the UniLac 9 top-coats, especially when metallic colors are used.
Features:	<ul style="list-style-type: none"> . Hard finish with excellent impact and abrasion resistance . Excellent resistance to UV degradation . High gloss version provides very good depth of image . Attractive gloss finish . Indefinite recoatability . Suitable for airless, conventional spray or roller application . VOC compliant to current AIM regulations
Color:	Clear (0910)
Finish:	Gloss
Substrate:	Apply over other pigmented UniLac 9 finishes or others as recommended by Union Compound.
Dry Film Thickness	1.0-2.0 mils (25-50 microns) per coat
Solids Content:	By Volume: (Gloss) 59% ± 2%
Theoretical Coverage Rate for gloss	946 mil ft ² (23.2 m ² /l at 25 microns) Allow for loss in mixing and application
VOC Values gloss	As supplied: 2.8 lbs/gal (340 g/l) Thinned: 6 oz/gal thinner12 3.0 lbs/gal (361 g/l) 6 oz/gal thinner18 2.8 lbs/gal (340 g/l) These are nominal values.
Dry Temp. Resistance:	Continuous: 200°F (93°C) Non-Continuous: 250°F (121°C) Discoloration and loss of gloss is observed above 200°F (93°C).

Substrates & Surface Preparation

General	Apply over UniLac 9 topcoats that are clean and dry, and within the recoat time allotment. Employ adequate methods to remove dirt, dust, oil and all other contaminants that could interfere with adhesion of the coating.
Previously Painted Surfaces	Consult Union Compound Technical Services for information.



Application Equipment

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results.

Spray Application (General)	This is a high solids coating and may require adjustments in spray techniques. Wet film thickness is easily and quickly achieved. The following spray equipment has been found suitable and is available from manufacturers such as Binks, DeVilbiss and Graco.
Conventional Spray	Pressure pot equipped with dual regulators, 3/8" I.D. minimum material hose, .043" I.D. fluid tip and appropriate air cap.
Airless Spray	The following equipment has been found suitable: Pump Ratio: 30:1 (min); GPM Output: 3 gal/min Output psi:2100-2400; Material Hose: 3/8" I.D. (min) Tip Size: .011-.013" (Fine Finish); Filter: 100 mesh Teflon packings are recommended.
Brush	Recommended for touch-up only. Use a medium, natural bristle brush and avoid excessive rebrushing.
Roller	Use a 1/2" nap mohair roller cover with phenolic core and avoid excessive rerolling.

Mixing & Thinning

Mixing	Power mix Part A separately, then combine and power mix. DO NOT MIX PARTIAL KITS.
Ratio	4:1 Ratio (A to B)
Thinning	Thin up to 6 oz/gal (5%) with Thinner 12. The use of Thinner 12 (6 oz/gal or 5%) is recommended in VOC regulated areas. Use of thinners other than those supplied or recommended by Union Compound may adversely affect product performance and void product warranty, whether expressed or implied.
Pot Life	2-3 Hours at 75°F (24°C) and less at higher temperatures. Pot life ends when coating becomes too viscous to use. MOISTURE CONTAMINATION WILL SHORTEN POT LIFE AND CAUSE GELLATION.

Cleanup & Safety

Cleanup	Use Thinner 12 or 18. In case of spillage, absorb and dispose of in accordance with local applicable regulations.
Safety	Read and follow all caution statements on this product data sheet and on the MSDS for this product. Employ normal workmanlike safety precautions. Hypersensitive persons should wear protective clothing, gloves and use protective cream on face, hands and all exposed areas.
Ventilation	When used in enclosed areas, thorough air circulation must be used during and after application until the coating is cured. The ventilation system should be capable of preventing the solvent vapor concentration from reaching the lower explosion limit for the solvents used. User should test and monitor exposure levels to insure all personnel are below guidelines. If not sure or if not able to monitor levels, use MSHA/NIOSH approved supplied air respirator.
Caution	This product contains flammable solvents. Keep away from sparks and open flames. All electrical equipment and installations should be made and grounded in accordance with the National Electric Code. In areas where explosion hazards exist, workmen should be required to use non-ferrous tools and wear conductive and non-sparking shoes.



Application Conditions

Condition	Material	Surface	Ambient	Humidity
Normal	60°-85°F (16°-29°C)	60°-85°F (16°-29°C)	60°-85°F (16°-29°C)	40-60%
Minimum	50°F (10°C)	35°F (2°C)	35°F (2°C)	10%
Maximum	100°F (38°C)	120°F (49°C)	95°F (35°C)	80%

Industry standards are for substrate temperatures to be above the dew point. Caution: This Product is moisture sensitive in the liquid stage and until fully cured. Protect from high humidity, dew and direct moisture contact until fully cured. Application and/or curing in humidities above maximum, or exposure to moisture from rain or dew may result in a loss of gloss and/or microbubbling of the product.

Curing Schedule

Surface Temp. & 50% Relative Humidity	Dry to Handle	Dry to Recoat*	Final Cure
35°F (2°C)	36 Hours	36 Hours	14 Days
50°F (10°C)	16 Hours	16 Hours	10 Days
75°F (24°C)	8 Hours	8 Hours	7 Days
90°F (32°C)	4 Hours	4 Hours	5 Days

These times are based on a 1.0-2.0 mil (25-50 micron) dry film thickness. Higher film thickness, insufficient ventilation or cooler temperatures will require longer cure times and could result in solvent entrapment and premature failure.

**Maximum recoat times are indefinite. Surface must be clean and dry. As part of good painting practice it is recommended to test for adhesion by wiping the surface with Thinner 12 or 18. If the film shows a slight "tack" the surface is suitable for recoating without extensive surface preparation such as abrading.

Packaging, Handling & Storage

Shipping Weight - (Approximate)	1.0 Gallon Kit 9 lbs (4 kg)	5.0 Gallon Kit 45 lbs (21 kg)
Flash Point (Setaflash)	Part A: 43°F (6°C) Part B: 106°F (41°C)	
Storage (General)	Store Indoors.	
Storage Temperature & Humidity	40° - 110°F (4°-43°C) 0-80% Relative Humidity	
Shelf Life:	Part A: Min. 36 months at 75°F (24°C) Part B: Min. 24 months at 75°F (24°C)	

*Shelf Life: (actual stated shelf life) when kept at recommended storage conditions and in original unopened containers.