

Selection & Specification Data

Generic Type	Waterborne Acrylic
Description	Specialized high solids filler used for sealing/filling masonry surfaces subject to both aggressive and mild environments. Unique formulation allows for topcoating with conventional or high-performance finishes. May be used as a block-filler where LEED-compliant flats and non-flat primers and finishes are required.
Features	<ul style="list-style-type: none"> . High solids with excellent filling properties . Dry heat resistance to 200°F . Wet heat resistance to 120°F . Block filler for alkyds, acrylics and epoxies . Single component . Low odor; low VOC . Applicable for LEED projects as a block filler (not considered a thin-film paint)
Gloss	Not applicable (block filler)
Color	White (S800)
Topcoats	Topcoat with flat or non-flat primers or finishes such as acrylics, epoxies, polyesters depending on service
Dry Film Thickness	12.0 mils (300 microns) Second coat may be required on rough or extremely porous surfaces to attain pinhole-free surface.
Solids Content	By Volume: 54% ± 2%
Theoretical Coverage Rate	72 ft ² @ 12 mils (1.8 m ² /l @ 300 microns) Allow for loss in mixing, application and rough or porous surfaces.
VOC Values	As supplied: 0.5 lbs/gal (60 g/l) These are nominal values. EPA Method 24: 0.8 lbs/gal (96 g/l)
Dry Temp. Resistance	Continuous: 170°F (76°C) Non-Continuous: 200°F (93°C) Slight discoloration is observed above 170°F (76°C).
Limitations	<ul style="list-style-type: none"> . Do not apply to surfaces that will exceed 160°F (71°C) in service. . Do not use on floors or in immersion service. . Do not apply to damp or wet surfaces.

Substrates & Surface Preparation

General	Surfaces must be clean and dry. Employ adequate methods to remove dirt, dust, oil and all other contaminants that could interfere with adhesion of the coating.
CMU	Mortar joints should be thoroughly cured for a minimum of 15 days at 75°F (24°C) and 50% relative humidity or equivalent.
Concrete	Concrete must be cured 28 days at 75°F (24°C) and 50% relative humidity or equivalent. Laitance, form oils, curing agents, and surface hardeners must be removed by suitable method before coating application.



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)	The following spray equipment has been found suitable and is available from manufacturers such as Binks, DeVilbiss and Graco. Backrolling is required for all spray applications to ensure adequate filling of surface irregularities.	
Pressure Pot	Unit:	Bottom outlet with dual regulators
	Material Hose:	25' of 3/4" I.D. min.
	Air Hose:	25' of 1 1/2" I.D. min.
	Spray Gun:	Heavy duty mastic type
	Fluid Tip:	.125"
	Air Cap:	.125" Round
Low Pressure Pneumatic	Unit:	10:1 min. with evenflo regulator
	Material Hose:	50' of 1" I.D. min.
	Air Hose:	50' of 1/2" I.D. min.
	Spray Gun:	Heavy duty mastic type
	Fluid Tip:	.125"
	Air Cap:	.125" Round
	Teflon packings are recommended and are available from the manufacturer.	
Roller	Use 9"-12" roller with a phenolic core. The roller nap will depend on the texture of the substrate to be coated. Apply with full strokes and avoid re-rolling.	

Mixing & Thinning

Mixing	Power mix until uniform in consistency. Avoid excessive air entrapment.
Thinning	Normally not required. May be thinned up to 6 oz/gal with clean potable water for spray application. Material is ready to apply as supplied. 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.

Cleanup & Safety

Cleanup	Use potable water, followed with a solvent flush to dry equipment. 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. Use adequate ventilation and wear gloves or use protective cream on face and hands if hypersensitive. Keep container closed when not in use.



Application Conditions

Condition	Material	Surface	Ambient	Humidity
Normal	55°-90°F (13°-32°C)	55°-90°F (13°-32°C)	55°-95°F (13°-35°C)	40-60%
Minimum	50°F (10°C)	50°F (10°C)	50°F (10°C)	0%
Maximum	95°F (35°C)	95°F (35°C)	95°F (35°C)	85%

Do not apply when the surface temperature is less than 5°F (3°C) above the dew point. Do not apply if temperatures are expected to drop below 45°F (10°C) within 24 hours of application. Water base products are sensitive to moisture during cure. Do not apply to frozen block or any masonry surface that has not completely thawed and avoid application in direct sunlight if possible. Special application techniques may be required above or below normal application conditions.

Curing Schedule

Surface Temp. & 50% Relative Humidity	Dry to Touch	Dry to Recoat/ Topcoat with Water Base	Dry to Topcoat with Solvent Base
75°F (24°C)	0.5 Hour	18 Hours	48 Hours

These times are based on a 12.0 mil (300 micron) dry film thickness. Higher film thicknesses, insufficient ventilation, high humidity or cooler temperatures will require longer cure times. UniCrete 4 may be recoated with itself in 60 min. at 75°F.

Packaging, Handling & Storage

Shipping Weight (Approximate)	<u>1 Gallon</u> 16 lbs (7 kg)	<u>5's Gallon</u> 76 lbs (35 kg)
Flash Point (Setaflash)	>200°F (93°C)	
Storage (General)	Store Indoors. Keep from Freezing	
Storage Temperature & Humidity	40° -110°F (4°-43°C) 0-90% Relative Humidity	
Shelf Life	24 months at 75°F (24°C)	

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