LAWRENCE
Rt. 1, 2798 Brunswick Pike

SHERWIN WILLIAMS.

SCHEDULE

Exterior Finishes

Building # 1497 Exterior Cinderblock
Primer: B51W08670 - Quick Dry Interior/Exterior Stain Blocking Primer White
tinted to Arizona heat
Finish: A82W00151 - A-100® Exterior Latex Satin Extra White
Tinted to Arizona Heat

Building # 1498 exterior metal siding
Primer: B66N00310 - Pro Industrial Pro-Cryl® Universal Acrylic Primer Red Oxide
Primer should not be tinted (has a red oxide look to start)
Finish: B66T00304 - Sher-Cryl HPA High Performance Acrylic Gloss Coating Ultradeep/Clear Tint Base
Tinted to match Arizona Heat

Building # 1498 exterior metal roofing
Primer: B66A01320 - PI PROCRYL PR M GR
Primer should not be tinted (comes packaged in a medium gray color)
Finish: B66T00304 - Sher-Cryl HPA High Performance Acrylic Gloss Coating Ultradeep/Clear Tint Base
Tinted to Hunter Green color

Interior Finishes

Building # 1497 Interior Cinderblock
Primer: B51W08670 - Quick Dry Interior/Exterior Stain Blocking Primer White
Tinted to Arizona Heat
Finish: B20W12651 - ProMar® 200 Zero VOC Interior Latex Eg-Shel Extra White
Tinted to Arizona Heat

Building # 1497 Interior Metal Duct Work
Prime Coat: B66N01310 - PI PROCRYL PR R OX
Finish: B20W12651 - ProMar® 200 Zero VOC Interior Latex Eg-Shel Extra White
Tinted to UPS Brown (done in Bordentown and Pennsauken)

Building # 1497 Interior Cinderblock in Garage (lower wall)
Primer: B51W08670 - Quick Dry Interior/Exterior Stain Blocking Primer White
Tinted to Software Gray (match battleship gray)
Finish: B31W02651 - ProMar® 200 Zero VOC Interior Latex Semi-Gloss Extra White
Tinted to Software Gray (match Battleship Gray)

Building # 1497 Interior Cinderblock in Garage (upper wall)
Primer: B51W08670 - Quick Dry Interior/Exterior Stain Blocking Primer White

Leave prepackaged white

Finish: B31W02651 - ProMar® 200 Zero VOC Interior Latex Semi-Gloss Extra White

Leave prepackaged white

END OF SECTION

SHERWIN WILLIAMS.

SURFACE PREPARATION

1) Block (Cinder and Concrete)
Remove all loose mortar and foreign material. Surface must be free of laitance, concrete dust, dirt, form release agents, moisture curing membranes, loose cement, and hardeners. Concrete and mortar must be cured at least 30 days at 75°F.The pH of the surface should be between 6 and 9,unless the products to be used are designed to be used in high pH environments such as Loxon. On tilt-up and poured-in-place concrete, commercial detergents and abrasive blasting may be necessary to prepare the surface. Fill bug holes, air pockets, and other voids with a patching compound such as ConSeal.

2) Galvanized Metal
Allow to weather a minimum of 6 months prior to coating. Clean per SSPC-SP1 using detergent and water or a degreasing cleaner, then prime as required. When weathering is not possible or the surface has been treated with chromate's or silicates, first Solvent Clean per SSPC-SP1 and apply a test area, priming as required. Allow the coating to dry at least one week before testing. If adhesion is poor, Brush Blast per SSPC-SP7 is necessary to remove these treatments.

END OF SPECIFICATION

Data Pages

SHERWIN WILLIAMS.

GREENGUARD
PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2818
GOLD

108.42A

QUICK DRY

Interior/Exterior Latex Stain Blocking Primer

B51W08670

As of 04/25/2017, Complies with:			
OTC	Yes	LEED® 09 NC,CI,CS	Yes
OTC Phase II	Yes	LEED® 09 H & S	Yes
SCAQMD	Yes	LEED® v4 Emissions	Yes
CARB	Yes	LEED® v4 VOC	Yes
CARB SCM2007	Yes		
Canada	Yes	MPI	Yes

PRIMARY BENEFITS

- Good Value — This is a multi-purpose commercial primer formulated for general interior and exterior use.
- Quick Drying — As the name suggests, this primer dries in just one hour, so rooms can be topcoated soon after priming.
- The waterborne formula is user-friendly, delivering easy clean-up with soap and water.
- Good Stain-Blocking Properties — Effectively blocks stains from crayon, permanent marker, pencil, mustard, ketchup, and tea
- Versatile — Use Quick Dry Stain Blocking Primer to prime and seal new and previously painted drywall, wood, masonry and plaster.
- Color Selection — Quick Dry Stain Blocking Primer can be tinted or used as a packaged color.

Use on:

- Drywall
- Wood
- Plywood
- Masonry (pH 6-9)
- Stucco (pH 6-9)
- Cement Composition (pH 6-9)
- Aluminum
- Galvanized Steel
- Previously painted surfaces

CHARACTERISTICS

Color: White
Coverage: 350 - 400 sq ft/gal @ 4 mils wet; 1.1 mils dry
Drying Time, @ 77°F, 50% RH:
Touch: 30 minutes
Recoat as a primer 1 hour
Recoat as a stain sealer: 4 hours
Drying and recoat times are temperature, humidity and film thickness dependent.
Finish: 0-5 units @ 85°
Flash Point: N/A
Vehicle Type: Vinyl Acrylic
B51W08670
VOC (less exempt solvents): <50 g/L; <0.42 lb/gal
As per 40 CFR 59.406 and SOR/2009-264, s.12
Volume Solids: 29 ± 2%
Weight Solids: 43 ± 2%
Weight per Gallon: 10.4 lb

Tinting
Requires ColorCast Ecotoners for tinting. For best topcoat color development, use the recommended "P"-shade primer. If desired, up to 4 oz per gallon of ColorCast Ecotoners can be used to approximate the topcoat color. Check color
before use.

When spot priming on some surfaces, a non-uniform appearance of the final coat may result, due to differences in holdout between primed and unprimed areas. To avoid this, prime the entire surface rather than spot priming.

For optimal performance, this primer must be topcoated with a latex, alkyd/oil, water based epoxy, or solvent based epoxy coating on architectural applications.

For exterior exposure, this primer must be topcoated within 14 days with architectural latex or oil finishes.

For better performance when priming an entire house, use Exterior Latex or Oil-Based Primers.

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (**NIOSH** approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Drywall - Fill cracks and nail holes with patching paste/spackle and sand smooth. Joint compounds must be cured and sanded smooth. Remove all sanding dust.

Masonry & Concrete
All new surfaces must be cured according to the supplier's recommendations, usually about 30 days. Remove all form release and curing agents. Masonry surfaces must be dry before priming. Moisture content must be 15% or lower and the pH between 6 and 9.
Rough surfaces can be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Loxon Concrete & Masonry Primer.

continued on back

SHERWIN WILLIAMS.

108.42A

QUICK DRY

Interior/Exterior Latex Stain Blocking Primer

B51W08670

SURFACE PREPARATION

Plaster
Must be cured, usually 30 days, and hard. If painting cannot wait, allow the surface to dry 7 days and prime with Loxon Concrete and Masonry Primer. Soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of water. Repeat until the surface is hard, rinse with water and allow to dry before painting.

Wood & Plywood
Sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth.

Caulking - Fill gaps between walls, ceilings, crown moldings, and other trim with the appropriate caulk after priming the surface.

Mildew - Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.
Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.

Special recommendations
After priming stained areas, allow to dry 4 hours, test a small area for bleeding by applying the topcoat before painting the entire project. If the stain bleeds through, apply a second coat of primer and allow to dry overnight and retest before topcoating.
Some water sensitive stains may require the use of an oil-based primer to seal completely.

APPLICATION

Apply at temperatures above 50°F.
No reduction necessary.
Do not thin when used for stain blocking.

Brush
Use a nylon/polyester brush
Roller
Use a 1/4" - 3/4" nap synthetic cover
Airless Spray
Pressure .....2000 psi
Tip.....017"-.021"

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with a compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

CAUTIONS

Protect from freezing.
Non-photochemically reactive.
Not for use under wallpaper.
Not for use on vinyl or other plastic surfaces.

Before using, carefully read **CAUTIONS** on label.

HOTW 4/25/2017 B51W08670 14 00

KOR, SP,VIET

SHERWIN WILLIAMS.

A-100®
Exterior Latex
Satin
A82-100 Series

As of 12/01/2012, Complies with:			
OTC	Yes	LEED® 09CI	N/A
SCAQMD	Yes	LEED® 09NC	N/A
CARB	Yes	LEED® 09CS	N/A
CARB SCM 2007	Yes	LEED® H	N/A
MPI #	15	NGBC	N/A

CHARACTERISTICS

A-100 Exterior Latex is a quality exterior finish. This product is recommended for use on aluminum, vinyl, and wood siding, clapboard, shakes, shingles, plywood, masonry, and metal down to a surface and air temperature of 35°F.

Color: Most colors
To optimize hide and color development, always use the recommended P-Shade primer

Coverage: 350 - 400 sq ft/gal
@ 4 mils wet; 1.5 mils dry

Drying Time, @ 50% RH:

	@ 35-45°F	@ 45°F +
Touch:	2 hour	2 hours
Recoat:	24-48 hours	4 hours

Drying and recoat times are temperature, humidity, and film thickness dependent

Flash Point: N/A

Finish: 10-20 units @ 60°

Tinting with CCE:

Base	oz/gal	Strength
Extra White	0-6	100%
Deep Base	4-12	100%
Ultradeep Base	4-12	100%

Vehicle Type: 100% Acrylic

A82W00151

VOC (less exempt solvents):
<50 g/L; <0.42 lb/gal
As per 40 CFR 59.406 and SOR/2009-264, s.12

Volume Solids: 36 ± 2%

Weight Solids: 48 ± 2%

Weight per Gallon: 10.2 lb

WVP Perms (US) 23.1
grains/(hr ft^2 in Hg)

Mildew Resistant
This coating contains agents which inhibit the growth of mildew on the surface of this coating film.

SPECIFICATIONS

Standard latex primers cannot be used below 50°F. See specific primer label for that product's application conditions.

Aluminum & Aluminum Siding[1]
2 cts. A-100 Exterior Latex

Concrete Block, CMU, Split face Block
1 ct. Loxon Block Surfacer
2 cts. A-100 Exterior Latex

Brick
1 ct. Loxon Conditioner[2]
2 cts. A-100 Exterior Latex

Cement Composition Siding/Panels
1 ct. Loxon Concrete & Masonry Primer[2]
or Loxon Conditioner[2]
2 cts. A-100 Exterior Latex

Galvanized Steel[1]
2 cts. A-100 Exterior Latex

Stucco, Cement, Concrete
1 ct. Loxon Concrete & Masonry Primer[2]
2 cts. A-100 Exterior Latex

Plywood
1 ct. Exterior Latex Wood Primer
2 cts. A-100 Exterior Latex

Vinyl Siding
2 cts. A-100 Exterior Latex

Wood
1 ct. Exterior Oil-Based Wood Primer
2 cts. A-100 Exterior Latex

[1] On large expanses of metal siding, the air, surface, and material temperatures must be 50°F or higher.
[2] Not for use at temperatures under 50° F. See specific primer label for that product's application conditions.

Other primers may be appropriate.

When repainting involves a drastic color change, a coat of primer will improve the hiding performance of the topcoat color.

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Scrape and sand peeled or checked paint to a sound surface. Sand glossy surfaces dull. Seal stains from water, smoke, ink, pencil, grease, etc. with the appropriate primer/sealer.

Aluminum and Galvanized Steel
Wash to remove any oil, grease, or other surface contamination. All corrosion must be removed with sandpaper, steel wool, or other abrading method.

Cement Composition Siding/Panels
Remove all dirt, dust, grease, oil, loose particles, laitance, foreign material, and peeling or defective coatings. Allow the surface to dry thoroughly. If the surface is new, test it for pH, if the pH is higher than 8, prime with Loxon Concrete & Masonry Primer.

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SHERWIN WILLIAMS.

102.11

A-100®
Exterior Latex
Satin
A82-100 Series

SURFACE PREPARATION

Masonry, Concrete, Block
All new surfaces must be cured according to the supplier's recommendations—usually about 30 days. Remove all form release and curing agents. Rough surfaces can be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Loxon Acrylic Primer. Cracks, voids, and other holes should be repaired with an elastomeric patch or sealant.

Steel
Rust and mill scale must be removed using sandpaper, steel wool, or other abrading method. Bare steel must be primed the same day as cleaned.

Stucco
Remove any loose stucco, efflorescence, or laitance. Allow new stucco to cure at least 30 days before painting. If painting cannot wait 30 days, allow the surface to dry 5-7 days and prime with Loxon Masonry Primer. Repair cracks, voids, and other holes with an elastomeric patch or sealant.

Vinyl
Clean the surface thoroughly by scrubbing with warm, soapy water. Rinse thoroughly.

Wood, Plywood, Composition Board
Sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth. All patched areas must be primed.

Caulking
Gaps between windows, doors, trim, and other through-wall openings can be filled with the appropriate caulk after priming the surface.

SURFACE PREPARATION

Mildew
Remove before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.

APPLICATION

When the air temperature is at 35°F, substrates may be colder; prior to painting, check to be sure the **air, surface, and material temperature** are above 35°F and at least 5°F above the dew point. Avoid using if rain or snow is expected within 2-3 hours.

Do not apply at air or surface temperatures below 35°F or when air or surface temperatures may drop below 35°F within 48 hours.

No reduction necessary.

Brush
Use a nylon/polyester brush.

Roller
Use a 3/8" - 3/4" nap synthetic cover.

Spray—Airless
Pressure..... 2000 psi
Tip..... .015"-.019"

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with mineral spirits to prevent rusting of the equipment.

Follow manufacturer's safety recommendations when using mineral spirits.

CAUTIONS

For exterior use only.
Protect from freezing.
Non-photochemically reactive.

LABEL CAUTION
CAUTION contains CRYSTALLINE SILICA and ZINC. Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (NIOSH approved) or leave the area. Adequate ventilation required when sanding or abrading the dried film. If adequate ventilation cannot be provided wear an approved particulate respirator (NIOSH approved). Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. FIRST AID: In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Abrading or sanding of the dry film may release crystalline silica which has been shown to cause lung damage and cancer under long term exposure. WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.
HOTW 03/25/2013 A82W00151 23 48

SHERWIN WILLIAMS

PRO INDUSTRIAL™

113.05

PRO-CRYL® UNIVERSAL PRIMER

B66W00310	OFF WHITE
B66A00310	GRAY
B66N00310	RED OXIDE

As of 09/11/2015, Complies with:			
OTC	Yes	LEED® 09 CI	Yes
SCAQMD	Yes	LEED® 09 NC	Yes
CARB	Yes	LEED® 09 CS	Yes
CARB SCM 2007	Yes	LEED® 09 S	Yes
MPI	107,134	NGBS	Yes

CHARACTERISTICS

Pro Industrial Pro-Cryl Universal Primer is an advanced technology, self cross-linking acrylic primer. It is rust inhibitive and designed for commercial, new construction and maintenance applications. It can be used as a primer under water-based or solvent-based high performance topcoats.

- Rust inhibitive
- Single component
- Early moisture resistant
- Fast dry
- Low temperature application 40°F
- Interior and exterior use
- Suitable for use in USDA inspected facilities

Color: Off White, Gray, Red Oxide

Recommended Spread Rate per coat:

Wet mils:	5.0 - 10.0
Dry mils:	1.8 - 3.6
~Coverage:	160 - 320 sq ft/gal Approximate

Theoretical coverage sq ft/gal
(m2/L) @ 1 mil / 25 microns dft 577sq ft

NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Time @ 6.0 mils wet 50% RH:

	40°F	77°F	120°F
To touch:	2 hrs	40 min	20 min
Tack free:	8 hrs	2 hrs	1 hr
To recoat:	16 hrs	4 hrs	2 hrs
To cure:	45 days	30 days	14 days

Drying time is temperature, humidity, and film thickness dependent.

Finish: Low sheen
Flash Point: N/A
Shelf Life: 36 months, unopened
Store indoors at 40°F to 100°F.
Tinting: Do not tint
B66W310 (may vary by color)
VOC (less exempt solvents):
96 g/L; 0.80 lb/gal
As per 40 CFR 59.406 and SOR/2009-264, s.12
Volume Solids: 36% ± 2%
Weight Solids: 49% ± 2%
Weight per Gallon: 10.23 lb

RECOMMENDED SYSTEMS

Waterborne topcoat:
1-2 cts. Pro Industrial Acrylic
or Pro Industrial DTM Acrlyic
or Pro Industrial Multi-Surface Acrylic
or Pro Industrial Pre-Catalyzed Waterbased Epoxy
or Pro Industrial Waterbased Acrolon 100
or Pro Industrial Waterbased Catalyzed Epoxy

Solventborne topcoat:
1-2 cts. Pro Industrial High Performance Epoxy
or Pro Industrial Urethane Alkyd

Pro Industrial Pro-Cryl Universal Primer B66W310 Off White is GREENGUARD GOLD certified for low chemical emissions into indoor air during product usage. For more information, visit ul.com/gg.

System Tested: (unless otherwise indicated)
Substrate: Steel
Surface Preparation: SSPC-SP10
1 ct. Pro Industrial Pro-Cryl Universal Primer
1 ct. Pro Industrial Acrylic

Adhesion:
Method: ASTM D4541
Result: 500 psi

Corrosion Weathering:
Method: ASTM D5894, 10 cycles, 3360 hours
Result: Passes

Direct Impact Resistance:
Method: ASTM D2794
Result: >140 in. lbs.

Dry Heat Resistance*:
Method: ASTM D2485
Result: 200°F

Flexibility:
Method: ASTM D522, 180° bend, 1/4" mandrel
Result: Passes

Moisture Condensation Resistance:
Method: ASTM D4585, 100°F, 1250 hours
Result: Passes

Pencil Hardness:
Method: ASTM D3363
Result: H

Salt Fog Resistance:
Method: ASTM B117, 1250 hours
Result: Passes

Provides performance comparable to products formulated In Lieu of Federal Specification: AA50557 and Paint Specification: SSPC-Paint 23.

*Suitable for intermittent dry heat resistance up to 300°F when used as a system with Sher-Cryl HPA

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PRO INDUSTRIAL™
PRO-CRYL® UNIVERSAL PRIMER

SHERWIN-WILLIAMS.

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (**NIOSH** approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

Do not use hydrocarbon solvents for cleaning.

Iron & Steel - Minimum surface preparation is Hand Tool Cleaning per SSPC-SP2. Remove all oil and grease from the surface per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6.

Aluminum - Remove all oil, grease, dirt, oxide and other foreign material per SSPC-SP1.Prime the area the same day as cleaned.

Galvanizing - Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1. When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP16 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned.

Previously Painted Surfaces - If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

APPLICATION PROCEDURES

Apply paint at the recommended film thickness and spreading rate as indicated on front page. Application of coating below minimum recommended spreading rate will adversely affect coating performance.

SAFETY PRECAUTIONS

Refer to the SDS sheets before use. **FOR PROFESSIONAL USE ONLY**
Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

PERFORMANCE TIPS

No painting should be done immediately after a rain or during foggy weather.
When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. Apply coating evenly while maintaining a wet edge to prevent lapping.

APPLICATION

Refer to the SDS before using

Temperature: 40°F minimum
120°F maximum
(air, surface, and material)
At least 5°F above dew point

Relative humidity: 85% maximum

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

Reducer: Water

Airless Spray

Pressure	2000 psi
Hose	1/4" ID
Tip	.015" - .019"
Filter	60 mesh
Reduction	Not recommended

Conventional Spray

Gun	Binks 95
Fluid Nozzle	66
Air Nozzle	63PB
Atomization Pressure	60 psi
Fluid Pressure	25 psi
Reduction	As needed up to 5% by volume

Brush ..... Nylon/Polyester
Reduction ..... Not recommended

Roller ..... 3/8" woven
Reduction As needed up to 5% by volume

If specific application equipment is listed above, equivalent equipment may be substituted.

CLEANUP INFORMATION

Clean spills and spatters immediately with soap and warm water. Clean hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

HOTW 09/11/2015 B66W00310 32 96

KOR, FRC, SP

Protective & Marine Coatings

SHER-CRYL™ HPA
HIGH PERFORMANCE ACRYLIC

B66-300 SERIES — GLOSS
B66-350 SERIES — SEMI-GLOSS

Revised: Oct 28, 2015

PRODUCT INFORMATION

1.26

PRODUCT DESCRIPTION

SHER-CRYL HPA is a new technology, ambient cured, one component acrylic coating with superior exterior performance properties. Provides performance comparable to high performance solvent based coatings such as urethanes and epoxies.

- Chemical resistant
- Superior color and gloss retention
- Outstanding early moisture resistance
- Flash rust/early rust resistant
- Low odor, low VOC
- Corrosion resistant
- Fast dry
- Outstanding application characteristics

PRODUCT CHARACTERISTICS

Finish:	High Gloss or Semi-Gloss
Color:	Wide range of colors available
Volume Solids:	38.5% ± 2%, Ultra White
Weight Solids:	51% ± 2%, Ultra White
VOC (EPA Method 24):	<200 g/L; 1.66 lb/gal

Recommended Spreading Rate per coat:

	Minimum	Maximum
Wet mils (microns)	**6.0** (150)	**10.0** (250)
Dry mils (microns)	**2.5** (63)	**4.0** (100)
~Coverage sq ft/gal (m^2/L)	**154** (3.8)	**247** (6.0)
Theoretical coverage sq ft/gal (m^2/L) @ 1 mil / 25 microns dft	**616** (15.1)	

NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Schedule @ 7.0 mils wet (175 microns):

	@ 50°F/10°C	@ 77°F/25°C *50% RH*	@ 120°F/49°C
To touch:	1 hour	30 minutes	5 minutes
To handle:	8 hours	5 hours	15 minutes
To recoat:	8 hours	5 hours	15 minutes
To cure:	30 days	30 days	30 days

Drying time is temperature, humidity, and film thickness dependent.

Shelf Life:	36 months, unopened Store indoors at 50°F (10°C) to 100°F (38°C)
Flash Point:	>230°F (110°C) PMCC, mixed
Reducer:	Water R8K10 - WB Hot Weather Reducer up to 10%
Clean Up:	Water

RECOMMENDED USES

For use over prepared:

- Steel
- Aluminum
- Zinc rich primers
- Galvanizing
- Concrete
- Wood
- Masonry

Examples:

- Buildings
- Machinery
- Power plants
- Select Marine Structures
- Storage Tanks
- Equipment
- Piping
- Water treatment plants
- New Construction
- Structural Steel

- Suitable for use in USDA inspected facilities
- Can be used as a dryfall coating under certain environmental conditions (see Application Bulletin)
- Conforms to AWWA D102 OCS #3
- Acceptable for use in high performance architectural applications
- Acceptable for interior use / drywall
- Conforms to MPI #'s 154 & 164 (Gloss); 141, 153, & 163 (Semi-Gloss)
- Complies with performance criteria of SSPC Paint 24.
- FIRETEX Hydrocarbon Coatings

PERFORMANCE CHARACTERISTICS

Substrate*: Steel

Surface Preparation*: SSPC-SP10

System Tested*:

2 cts. Sher-Cryl HPA @ 3.0 mils (75 microns) dft/ct
*unless otherwise noted below

Test Name	Test Method	Results
Adhesion	ASTM D4541	946 psi
Corrosion Weathering[1]	ASTM D5894, 10 cycles, 3,360 hours	Rating 9 per ASTM D610 for rusting ; Rating10 per ASTM D714 for blistering
Direct Impact Resistance	ASTM D2794	>100 in. lbs.
Dry Heat Resistance	ASTM D2485	300°F (149°C)
Exterior Durability	3 years, 45° South	Excellent
Flexibility	ASTM D522, 180° bend, 1/8" mandrel	Passes
Humidity Resistance[1]	ASTM D4585, 1,250 hours	Rating 9 per ASTM D1654 for corrosion ; Rating10 per ASTM D714 for blistering
Pencil Hardness	ASTM D3363	2B
Salt Fog Resistance[1]	ASTM B117, 1,250 hours	Rating 9 per ASTM D1654 for corrosion ; Rating10 per ASTM D714 for blistering
Thermal Cycling	ASTM D2246, 10 cycles	Passes

Footnote:

[1] *1 ct. Sher-Cryl HPA over 1 ct. Pro Industrial Pro-Cryl Universal Primer*

Provides performance comparable to products formulated to federal specification: AA50570, and Paint Specification: SSPC-Paint 23 and 24.

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Protective & Marine Coatings

SHER-CRYL™ HPA
HIGH PERFORMANCE ACRYLIC

B66-300 Series — **Gloss**
B66-350 Series — **Semi-Gloss**

Revised: Oct 28, 2015

Product Information

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Recommended Systems

		Dry Film Thickness / ct. Mils	(Microns)
Steel:			
2 cts.	Sher-Cryl HPA	2.5-4.0	(63-100)
Steel:			
1 ct.	Pro Industrial Pro-Cryl Universal Primer	2.0-4.0	(50-100)
1-2 cts.	Sher-Cryl HPA	2.5-4.0	(63-100)
Steel:			
1 ct.	DTM Acrylic Primer/Finish	2.5-5.0	(63-125)
or	Kem Bond HS	2.0-5.0	(50-125)
or	Zinc Clad Primer	3.0-5.0	(75-125)
2 cts.	Sher-Cryl HPA	2.5-4.0	(63-100)
Steel:			
1 ct.	Zinc Clad XI	3.0-4.0	(75-100)
2 cts.	Sher-Cryl HPA	2.5-4.0	(63-100)
Aluminum:			
2 cts.	Sher-Cryl HPA	2.5-4.0	(63-100)
Aluminum:			
1 ct.	DTM Wash Primer	0.7-1.3	(18-32)
2 cts.	Sher-Cryl HPA	2.5-4.0	(63-100)
Galvanizing:			
2 cts.	Sher-Cryl HPA	2.5-4.0	(63-100)
Concrete Block:			
1 ct.	Heavy Duty Block Filler	10.0-18.0	(250-450)
2 cts.	Sher-Cryl HPA	2.5-4.0	(63-100)
Concrete/Masonry:			
2 cts.	Sher-Cryl HPA	2.5-4.0	(63-100)
Prefinished Siding: (Baked-on finishes)			
1 ct.	DTM Bonding Primer	2.0-5.0	(50-125)
2 cts.	Sher-Cryl HPA	2.5-4.0	(63-100)
Wood, exterior:			
1 ct.	A-100 Exterior Oil Wood Primer	1.5	(38)
2 cts.	Sher-Cryl HPA	2.5-4.0	(63-100)
Wood, interior:			
1 ct.	Premium Wall & Wood Primer	1.8	(45)
2 cts.	Sher-Cryl HPA	2.5-4.0	(63-100)

The systems listed above are representative of the product's use, other systems may be appropriate.

Disclaimer

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Surface Preparation

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Do not use hydrocarbon solvents for cleaning.

Refer to product Application Bulletin for detailed surface preparation information.

Minimum recommended surface preparation:

Iron & Steel:	SSPC-SP2
Aluminum:	SSPC-SP1
Galvanizing:	SSPC-SP1
Concrete & Masonry:	SSPC-SP13/NACE 6, or ICRI No. 310.2R, CSP 1-3
* Wood:	Dry and sanded smooth
* Prefinished Siding:	SSPC-SP1

* Requires primer

Surface Preparation Standards

	Condition of Surface	ISO 8501-1 BS7079:A1	Swedish Std. SIS055900	SSPC	NACE
White Metal		Sa 3	Sa 3	SP 5	1
Near White Metal		Sa 2.5	Sa 2.5	SP 10	2
Commercial Blast		Sa 2	Sa 2	SP 6	3
Brush-Off Blast		Sa 1	Sa 1	SP 7	4
Hand Tool Cleaning	Rusted	C St 2	C St 2	SP 2	-
	Pitted & Rusted	D St 2	D St 2	SP 2	-
Power Tool Cleaning	Rusted	C St 3	C St 3	SP 3	-
	Pitted & Rusted	D St 3	D St 3	SP 3	-

Tinting

Tint with CCE or EnviroToner colorants at 100% strength. Do not use BAC.

Five minutes minimum mixing on a mechanical shaker is required for complete mixing of color.

Application Conditions

Temperature:	50°F (10°C) minimum, 120°F (49°C) maximum (air, surface, and material) At least 5°F (2.8°C) above dew point
Relative humidity:	85% maximum

Refer to product Application Bulletin for detailed application information.

Ordering Information

Packaging:	1 gallon (3.78L) and 5 gallon (18.9L) containers
Weight:	10.30 ± 0.2 lb/gl 1.24 Kg/L

Safety Precautions

Refer to the MSDS sheet before use.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

Warranty

The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Protective & Marine Coatings

SHER-CRYL™ HPA
HIGH PERFORMANCE ACRYLIC

B66-300 Series — Gloss
B66-350 Series — Semi-Gloss

Revised: Oct 28, 2015

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Surface Preparations

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Do not use hydrocarbon solvents for cleaning.

Iron & Steel

Minimum surface preparation is Hand Tool Clean per SSPC-SP2. Remove all oil and grease from surface per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6. Primer recommended for best performance.

Aluminum

Remove all oil, grease, dirt, oxide and other foreign material per SSPC-SP1.

Galvanizing

The surface should be weathered for 6 months prior to painting. Remove all oil and grease per SSPC-SP1. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2. Prime area the same day as cleaned with Pro Industrial Pro-Cryl.

Concrete and Masonry

For surface preparation, refer to SSPC-SP13/NACE 6 or ICRI No. 310.2R, CSP 1-3. Surfaces should be thoroughly cleaned and dry. Surface temperatures must be at least 55°F (13°C) before filling. If required for a smoother finish, use Heavy Duty Block Filler, B42W46. Filler must be thoroughly dry before topcoating per manufacturer's recommendations.

Weathered masonry and soft or porous cement board must be brush blasted or power tool cleaned to remove loosely adhering contamination and to get to a hard, firm surface. Apply one coat Loxon Conditioner, following label recommendations.

Wood

Surface must be clean, dry and sound. Prime with recommended primer. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed before full coat of primer is applied. All nail holes or small openings must be properly caulked.

Pre-Finished Siding:

Remove oil, grease, dirt, oxides, and other contaminants from the surface by cleaning per SSPC-SP1 or water blasting per NACE Standard RP-01-72. Always checks for compatibility of the previously painted surface with the new coating by applying a test patch of 2 - 3 square feet. Allow to dry thoroughly for 1 week before checking adhesion. DTM Bonding Primer is required.

Previously Painted Surfaces

If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above.

Surface Preparation Standards

	Condition of Surface	ISO 8501-1 BS7079:A1	Swedish Std. SIS055900	SSPC	NACE
White Metal		Sa 3	Sa 3	SP 5	1
Near White Metal		Sa 2.5	Sa 2.5	SP 10	2
Commercial Blast		Sa 2	Sa 2	SP 6	3
Brush-Off Blast		Sa 1	Sa 1	SP 7	4
Hand Tool Cleaning	Rusted	C St 2	C St 2	SP 2	-
	Pitted & Rusted	D St 2	D St 2	SP 2	-
Power Tool Cleaning	Rusted	C St 3	C St 3	SP 3	-
	Pitted & Rusted	D St 3	D St 3	SP 3	-

Application Conditions

Temperature:	50°F (10°C) minimum, 120°F (49°C) maximum (air, surface, and material) At least 5°F (2.8°C) above dew point
Relative humidity:	85% maximum

Application Equipment

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compliant with existing VOC regulations and compatible with the existing environmental and application conditions.

Reducer ..... Water
R8K10 - WB Hot Weather Reducer up to 10%
Clean Up ..... Water

Airless Spray

Pressure ..... 1500 psi
Hose ..... 1/4" ID
Tip ..... .017" - .021"
Filter ..... 60 mesh
Reduction ..... Not recommended

Conventional Spray

Gun ..... Binks 95
Fluid Nozzle 66
Air Nozzle 63PB
Atomization Pressure ..... 50 psi
Fluid Pressure ..... 15-20 psi
Reduction ..... As needed up to 12½% by volume

Brush

Brush ..... Nylon / polyester
Reduction ..... Not recommended

Roller

Cover ..... 3/8" woven solvent resistant core
Reduction ..... Not recommended

If specific application equipment is not listed above, equivalent equipment may be substituted.

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Application Procedures

Surface preparation must be completed as indicated.

Mixing Instructions: Mix paint thoroughly to a uniform consistency with low speed power agitation prior to use.

Apply paint at the recommended film thickness and spreading rate as indicated below:

Recommended Spreading Rate per coat:

	Minimum	Maximum
Wet mils (microns)	**6.0** (150)	**10.0** (250)
Dry mils (microns)	**2.5** (63)	**4.0** (100)
~Coverage sq ft/gal (m^2/L)	**154** (3.8)	**247** (6.0)
Theoretical coverage sq ft/gal (m^2/L) @ 1 mil / 25 microns dft	**616** (15.1)	

NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Schedule @ 7.0 mils wet (175 microns):

	@ 50°F/10°C	@ 77°F/25°C *50% RH*	@ 120°F/49°C
To touch:	1 hour	30 minutes	5 minutes
To handle:	8 hours	5 hours	15 minutes
To recoat:	8 hours	5 hours	15 minutes
To cure:	30 days	30 days	30 days

Drying time is temperature, humidity, and film thickness dependent.

Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance.

Clean Up Instructions

Clean spills and spatters immediately with soap and warm water. Clean hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with Mineral Spirits to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using Mineral Spirits.

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Performance Tips

Stripe coat all crevices, welds, and sharp angles to prevent early failure in these areas.

When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle

During the early stages of drying, the coating is sensitive to rain, dew, high humidity, and moisture condensation. Plan painting schedules to avoid these influences during the first 16-24 hours of curing.

Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness or porosity of the surface, skill and technique of the applicator, method of application, various surface irregularities, material lost during mixing, spillage, overthinning, climatic conditions, and excessive film build.

Excessive reduction of material can affect film build, appearance, and adhesion.

Application temperature above 95°F (35°C) may cause dry spray, uneven sheen, and poor adhesion.

Application temperature below 50°F (10°C) may cause poor adhesion and lengthen the drying and curing time.

Sher-Cryl Acrylic is extremely sensitive to hydrocarbon containing solvents. When cleaning the surface per SSPC-SP1, use only an emulsifying industrial detergent, followed by a water rinse. Do not use hydrocarbon containing solvents.

Do not use hydrocarbon solvents for cleaning.

Refer to Product Information sheet for additional performance characteristics and properties.

Sher-Cryl can be used as a dryfall coating in certain environmental conditions. Test product before each application. Test by spraying 15-25 feet toward paint container. All material should readily wipe clean. Temperature and humidity will affect ability to dryfall. Hot surface will cause overspray to bond to surface. Always clean overspray immediately from hot surfaces.

Refer to Product Information sheet for additional performance characteristics and properties.

Safety Precautions

Refer to the MSDS sheet before use.

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