

Sher-Clear™

1K Waterborne Acrylic Clear Coat

B66C00380 Semi-Gloss


**SHERWIN
WILLIAMS®**

CHARACTERISTICS

SHER-CLEAR is a waterborne one component (1K), UV resistant, acrylic clear coat. It provides color and gloss protection over newly applied industrial waterborne coatings and select solvent based coatings. It can also be applied to existing waterborne coatings and select solvent based coatings.

Features:

- Great gloss retention
- Fast dry
- Brush, roll or spray
- Apply over multiple coatings

Recommended for use:

- For exterior use over acrylics and certain solvent based coatings.
- To extend the weathering properties of acrylics and certain alkyds.
- Equipment & Machinery
- Exterior Storage Tanks
- Piping & Structural Steel
- Corporate logos/signs
- Amusement parks
- Suitable for use in USDA inspected facilities

Finish: Semi-Gloss 30-40° @60°

Color: Clear

Recommended Spreading Rate per coat:

Wet mils: 3.0-5.5
 Dry mils: 1.1-2.0
 Coverage: 286-520 sq. ft. per gallon
Theoretical Coverage: 572 sq. ft. per gallon
 @ 1 mil dry

Approximate spreading rates are calculated on volume solids and do not include any application loss.

Drying Schedule @ 3.0 mils wet, @ 50% RH:

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

	@50°F	@77°F	@120°F
To touch	1 hour	45 minutes	5 minutes
To handle	2 hours	1 hour	15 minutes
To recoat itself	4 hours	2 hours	15 minutes
To cure	21 days	14 days	7 days

Tinting: DO NOT TINT

Semi-Gloss Clear B66C00380

V.O.C. (less exempt solvents):

81 grams per litre; 0.68 lbs. per gallon

As per 40 CFR 59.406

Volume Solids: 36 ± 2%

Weight Solids: 38 ± 2%

Weight per Gallon: 8.62 lb

Flash Point: N.A.

Shelf Life: 12 months, unopened

COMPLIANCE

As of 08/11/2021, Complies with:

OTC	Yes
OTC Phase II	Yes
S.C.A.Q.M.D.	Yes
CARB	Yes
CARB SCM 2007	Yes
CARB SCM 2020	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	No
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	No
MIR-Manufacturer Inventory	No
MPI®	Yes

APPLICATION

Temperature:
 minimum 50°F / 10°C
 maximum 120°F / 49°C
 air, surface, and material

Relative humidity: 85% maximum
 At least 5°F above dew point

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 1500 p.s.i.
 Hose 1/4 inch I.D.
 Tip .013 - .015 inch
 Filter 60 mesh

Conventional Spray:
 Gun Binks 95
 Fluid Nozzle 66
 Air Nozzle 63 PB
 Atomization Pressure 50 p.s.i.
 Fluid Pressure 15-25 p.s.i.
 Reduction: As needed up to 10% by volume

Brush Nylon-polyester
Roller Cover 1/4-3/8 inch woven solvent resistant core

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

Apply paint at the recommended film thickness and spreading rate as indicated. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance.

Do not apply over 2 mils dry per coat. Film thickness greater than 2 mils dry per coat may appear "cloudy" or "milky."

Do not use over white and very light pastel colored alkyds.

Hand stir prior to use. **Do not shake.**

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.

Allow to dry one week before checking adhesion.

Application of a clear coating may change the color appearance of the base coat. Apply a test patch prior to coating entire project.

Always check 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.

SPECIFICATIONS

Apply: Sher-Clear Clear @ 1.0 - 2.0 mils D.F.T. per coat over the following coatings:

Acrylics:

Bond- Plex Waterbased Acrylic
 Metalatex Semi-Gloss
 Pro Industrial Acrylic
 Pro Industrial DTM Acrylic
 Pro Industrial Multi-Surface Acrylic
 Sher-Cryl
 SprayLastic

Alkyds*:

Industrial Enamel
 Industrial Enamel HS
 Pro Industrial Urethane Alkyd
 Pro Industrial Waterbased Alkyd-Urethane
 Steel Master 9500

***Note:** Do not use over white and very light pastel colored alkyds.

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

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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.

When cleaning the surface per SSPC-SP1, use only an emulsifying industrial detergent, followed by a water rinse.

Do not use hydrocarbon solvents for cleaning.

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. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer-sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

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. Always check 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. 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. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

SURFACE PREPARATION

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.

SAFETY PRECAUTIONS

Before using, carefully read **CAUTIONS** on label. Refer to the Safety Data Sheets (SDS) 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.

CLEANUP INFORMATION

Clean spills, spatters, 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.

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