



SHER-CLEAR™

1K WATERBORNE ACRYLIC CLEAR COAT

B66C00375 **HIGH GLOSS**
B66C00380 **SEMI-GLOSS**
B66C00385 **FLAT**

S/G & Flat As of 12/04/2017, Complies with:				High Gloss As of 12/04/2017, Complies with:			
OTC	Yes	LEED® 09 NC	N/A	OTC	Yes	LEED® 09 NC	N/A
OTC Phase II	Yes	LEED® 09 CI	N/A	OTC Phase II	Yes	LEED® 09 CI	N/A
SCAQMD:	Yes	LEED® 09 CS	N/A	SCAQMD:	No	LEED® 09 CS	N/A
CARB	Yes	LEED® v4 Emissions	No	CARB	Yes	LEED® v4 Emissions	No
CARB SCM 2007	Yes	LEED® v4 VOC	Yes	CARB SCM 2007	Yes	LEED® v4 VOC	No
Canada	Yes	MPI	Yes	Canada	Yes	MPI	Yes

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

Flash Point: N/A

Tinting: DO NOT TINT

Color:
Clear

Shelf Life: 12 months, unopened

Finish: 85°+@60° High Gloss
30-40°@60° Semi-Gloss
0-10°@60° Flat

SPECIFICATIONS

Color: Clear

Recommended Spread Rate per coat: High Gloss Clear B66C00375
 wet mils: 3.0 - 6.0
 dry mils: 1.1 - 2.2
 coverage: 524 - 262 sq ft/gal approximate

Theoretical coverage: 577 sq ft/gal @ 1 mil dry

Drying Schedule @ 3.0 mils wet, 50% RH:

	@ 50°F/10°C	@ 77°F/25°C	@ 120°F/49°C
To touch:	1 hour	45 minutes	5 minutes
To handle:	2 hours	1 hour	15 minutes
To recoat with itself:	4 hours	2 hours	15 minutes
To cure:	21 days	14 days	7 days

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

RECOMMENDED SYSTEMS

Apply Sher-Clear Clear@ 1.0 - 2.0 mils dft/ct over the following Sherwin-Williams 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.

	High Gloss Clear B66C00375
VOC(less exempt solvent)	127 g/L - 1.06 lb/gal (as per 40 CFR 59.406 and SOR/2009-264, s. 12)
Volume Solids:	36 ± 2%
Weight Solids:	38 ± 2%
Weight per Gallon:	8.56 lb/gal
Density:	8.36-8.76
Sag Test:	4 mils minimum
Viscosity:	60-70 KU
	Semi-Gloss Clear B66C00380
VOC(less exempt solvent)	81 g/L - .68 lb/gal (as per 40 CFR 59.406 and SOR/2009-264, s. 12)
Volume Solids:	36 ± 2%
Weight Solids:	38 ± 2%
Weight per Gallon:	8.62 lb/gal
Density:	8.42-8.82
Sag Test:	4 mils minimum
Viscosity:	65-75 KU
	Flat Clear B66C00385
VOC(less exempt solvent)	70 g/L - .58 lb/gal (as per 40 CFR 59.406 and SOR/2009-264, s. 12)
Volume Solids:	37 ± 2%
Weight Solids:	40 ± 2%
Weight per Gallon:	8.77 lb/gal
Density:	8.57-8.97
Sag Test:	4 mils minimum
Viscosity:	65-75 KU



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.**

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.

APPLICATION PROCEDURES

Apply paint at the recommended film thickness and spreading rate as indicated on front page. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance. 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, over thinning, climatic conditions, and excessive film build.

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.

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

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.

APPLICATION

Refer to the SDS sheet before use

Temperature: 50°F/10°C minimum
120°F/49°C 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. Excessive reduction of material can affect film build, appearance, and adhesion.

Reducer Water

Clean Up Soap & Water

Airless Spray

Pressure 1500 psi

Hose 1/4" ID

Tip013" - .015"

Filter 60 mesh

Reduction As needed up to 10% by volume

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 10% by volume

Brush

Brush Nylon / polyester

Reduction As needed up to 10% by volume

Roller

Cover... 1/4"-3/8" woven solvent resistant core

Reduction As needed up to 10% by volume

If specific application equipment is not 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	12/04/2017	B66C00375	12 127
HOTW	12/04/2017	B66C00380	9 81
HOTW	12/04/2017	B66C00385	6 70