

SIL-ACT[®] Product Data SIL-SHINE

ACRYLIC CONCRETE SEALER



ADVANCED
CHEMICAL
TECHNOLOGIES, Inc.

"Protecting the World's Infrastructure"

LEED Compliant 25% Acrylic Resin

HIGH PERFORMANCE

SIL-SHINE is a low viscosity acrylic copolymer, sealing and dust proofing coating that protects and enhances the appearance of concrete with a clear, non-yellowing film that is more durable than standard polymer blend cure and seal products. SIL-SHINE is formulated in an exempt solvent carrier formulated for use in low VOC-regulated areas. SIL-SHINE is designed to enhance the color of stamped concrete, exposed aggregate, and colored concrete pavers, making these surfaces look deeper and richer in appearance. Applied properly, SIL-SHINE will not turn white in the presence of moisture. SIL-SHINE gives concrete a satin finish that highlights the color and texture of surfaces.

DURABLE

SIL-SHINE can be applied to the surface by low-pressure spray, brush, or roller. One coat of SIL-SHINE will provide for a dust proof surface while two coats will result in a high gloss shine. SIL-SHINE acrylic copolymer formulation provides for a non-yellowing UV resistant surface.

FLEXIBLE

SIL-SHINE is an effective treatment for brick, masonry, cementitious mortars, stucco, many natural stones and cast-in-place, precast, prestressed and architectural concretes.

SIL-SHINE can be used on:

- Pavers
- Patios
- Garages
- Warehouse Floors
- Decorative Concrete
- Exposed aggregate
- Showrooms
- Stamped concrete

TECHNICAL DATA

PROPERTY	SIL-SHINE
Material Properties @ 75°F, 50% R.H.	
Active Ingredient	25% Acrylic Resin
Specific Gravity	0.945
Density/weight	7.5 lb/gal
VOC Content	< 250 g/L
Viscosity	25 to 50 cps
Tukon hardness	> 10
Appearance	crystal clear
UV exposure	meets Class A requirements
Flash Point	60°F (16°C)
Drying time	<1 hour

DIRECTIONS FOR USE

SURFACE PREPARATION:

The concrete surface must be clean and free of puddled or standing water. Best results are obtained when applying on clean, bare concrete. DO NOT apply over curing compounds. When applying to new stamped concrete, the surface must be free of all unbonded release agent powder or liquid residue.

MIXING:

Should be used directly from the container.

APPLICATION:

Apply at a uniform coverage with an industrial hand held pump-up sprayer equipped with a 0.5 gal per minute (1.9 L per minute) spray tip and neoprene fittings. Common garden-type sprayers should not be used. If backrolling over spray-applied sections, use a short 1/4" (0.65 cm) nap, solvent resistant roller cover. Any backrolling must immediately follow spraying, as this product dries quickly. It is helpful to keep the roller wet. If applying by roller only, use a short 1/4" (0.64 cm) nap, solvent resistant roller cover. Keep the roller wet and keep a wet edge while applying to avoid lap marks. Do not roll back and forth excessively, as this will cause bubbling. The first coat acts as a primer for the second coat. Allow the first coat to dry tack-free before applying the second coat. Best performance and appearance is achieved with two THIN coats, following the prescribed coverage rates.

NOTE:

SIL-SHINE dries quickly. While spraying, keep the sprayer tip down near the concrete surface (within 8 in/20 cm of the surface). Use of this product in hot weather, in direct sunlight, or in windy conditions can cause bubbling. The best time to apply this product is on a cool, overcast day when the temperature is 50°F to 80°F (10°F to 27°C) and is not expected to rise above 85°F (29°C) during application and drying time. Application of SIL-SHINE too heavily, in too many successive coats, or in multiple coats over time can cause bubbling, whitening, peeling, and ultimate failure of the product. If showing signs of over-application, keep the surface wet with xylene while scrubbing, adding

more solvent if necessary. The xylene will turn the sealer back into a liquid form, at which point excess material can be wiped off with a lint-free mop or towel. Do not apply additional sealer. After removing the excess, a roller can be used to redistribute the remaining product evenly across the surface, adding more xylene necessary to keep the sealer wet. Follow all safety precautions printed on the package.

CLEAN-UP:

Tools and equipment may be cleaned with xylene or acetone. Run cleaning solvent through spray equipment to remove residual materials and prevent clogging of nozzle in future use.

PRECAUTIONS/LIMITATIONS

SIL-SHINE is a **flammable liquid**. Use with adequate ventilation and keep away from heat, sources of spark or ignition, and open flames. Block all HVAC ventilation ducts which may distribute solvent odor. Do not apply when concrete surfaces or ambient temperatures are below 40°F (4°C). Do not apply to hot surfaces, in hot direct sun, or when the ambient temperature is above 85°F (29°C). This product will not freeze but must be allowed to rise to 60°F (16°C) before using. Do not apply if rain is expected within 12 hours of application. Not resistant to gasoline or other automotive fluids. May show tire marks and stains. Do not thin this product. In all cases, consult the Safety Data Sheet before use.

WARRANTY

Limited warranties are available for all SIL-ACT® products. Contact ACT or your local SIL-ACT® representative for details.