**DESCRIPTION**
ChemMasters’ Silencure-A is a patented pure acrylic copolymer curing and sealing compound for new concrete installations. When applied to fresh concrete Silencure-A produces a non yellowing clear continuous film that effectively cures fresh concrete and provides a tough protective acrylic film.

Silencure-A’s unique technology forms an effective curing and sealing film with a proprietary blend of siloxanes that penetrate capillary pores of fresh concrete forming a silicone matrix within the concrete preventing water and salt penetration.

Unlike other silane or siloxane treatments Silencure-A is applied to fresh concrete curing to ASTM C 309 and AASHTO M-148, Type 1 & 1D (with added fugitive dye) Class A&B and is designed to meet applicable State Department of Transportation (DOT) Requirements of NCHRP 244, Series II & Series IV water absorption and chloride protection. There is no need to wait 28 days before applying a product for long term protection.

**USES**
- Cure fresh broom exterior concrete. Curing minimizes crazing and shrinkage cracks. Silencure-A forms a film that holds moisture in fresh concrete helping cement fully hydrate. This process helps maximize the strength and durability of concrete.
- Provides long term protection to exterior concrete from damaging effects of water and salt penetration. Silencure-A’s unique siloxane formulation provides protection from damage due to freeze thaw cycles and lasts far longer than ordinary film forming cure and seal products.

**ADVANTAGES**
- Silencure-A eliminates the 28 day 3 step process to provide penetrating protection to newly placed concrete. A single step application of Silencure-A to final finish concrete provides the improved protection of a penetrating sealer and reduces labor costs putting concrete into service weeks sooner.

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**TECHNICAL DATA**

**APPLICATIONS**
- Meets many States’ DOT requirements of NCHRP 244 Series II and IV chloride protection
- ASTM C 309, Type I* Class A&B, Standard Specification for Liquid Membrane Forming Compounds for Curing Concrete
- AASHTO M 148, Type 1* Class A & B, Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete
- Complies with National Volatile Organic Compound Emission Standards for Architectural Coatings, Federal EPA Regulation 40 CFR Part 59 <350 g/L
- Can be ordered with fugitive dye to meet Type ID requirements

**PACKAGING**

<table>
<thead>
<tr>
<th>Packaging</th>
<th>5 gal (18.9 liter)</th>
<th>55 gal (208 liter)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>36 per pallet</td>
<td>4 / pallet</td>
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<tr>
<td></td>
<td>F1237.05</td>
<td>F1237.55</td>
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</tbody>
</table>

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**PHYSICAL PROPERTIES**

- VOC content < 350 g/L
- Flash Point 1°F (-17°C)
- ASTM C 156 Moisture Retention 0.30 kg/m² per 72 Hrs

**Drying Time @ 70°F (21°C) with 50% R.H.**

<table>
<thead>
<tr>
<th></th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dry</td>
<td></td>
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<tr>
<td>To Touch</td>
<td>1</td>
</tr>
<tr>
<td>Light Traffic</td>
<td>8</td>
</tr>
<tr>
<td>Heavy Traffic</td>
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</tbody>
</table>

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**ESTIMATING GUIDE**

To Meet Applicable Standards Above

<table>
<thead>
<tr>
<th>Finish</th>
<th>ft²/gallon</th>
<th>m²/liter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fresh Broom</td>
<td>150</td>
<td>4</td>
</tr>
<tr>
<td>Formed Walls</td>
<td>450</td>
<td>11</td>
</tr>
</tbody>
</table>

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**SPECIALTY CONSTRUCTION PRODUCTS**

**Low VOC, Acrylic Curing & Sealing Compound With Silane**

**U.S. Patent 7402623**

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**CHEMMASTERS**

An American-Owned & Operated Company
300 EDWARDS STREET • MADISON, OHIO 44057-3112 (440) 438-2905-FAX (440) 438-7091-ORDERLINE (800) 486-7866 www.chemmasters.net

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**Oct 2012**
DIRECTIONS
Mixing: Do not dilute. Silencure-A is packaged ready to use and only requires mild agitation or stirring before applying or filling spray equipment.

Application:
For Best Results: Do not apply Silencure-A if the temperature will drop below 40°F (4°C) within two hours of application. Protect people, vehicles, property, plants, windows, and all non masonry surfaces from product splash, residue, fumes, and wind drift. Apply Silencure-A within two hours after final finishing the concrete and all bleed water has dissipated. Applying Silencure-A on steel trowel concrete after two hours may result in poor penetration and lead to blistering or peeling. Do not apply over free standing water. Apply Silencure-A with a low pressure, airless, sprayer equipped with a fan nozzle 0.50 to 1.0 gpm or a hand pressurized sprayer with a ‘Cats Eye’ nozzle (minimum orifice of 0.022 to 0.032”) ensure spray equipment is clean and dry before adding material. The optimum spray pattern is an 8 to 12” fan. Hold sprayer tip 6 to 8” from the surface of the concrete. Apply uniformly leaving no pinholes or gaps. Do not allow the material to puddle.

Silencure-A may be applied with a short nap roller when application will not mar surface and will be complete within 2 hours of final finish. Or in tight areas to prevent overspray see ‘LIMITATIONS’.

Formed Concrete Walls: If walls are not to receive further treatment, apply immediately after stripping forms or following rubbing operations at 450 ft²/gal (11 m²/L)

Older Concrete: Clean thoroughly with detergent and high pressure water removing any dirt, dust, paint, oil, grease, curing or sealing membranes, or other contaminants that may prevent adhesion of Silencure-A.

CLEANUP
Clean tools and equipment used in applying Silencure-A with Polyseal Solvent™ or xylene.

STORAGE
Store tightly closed containers away from direct sunlight and sources of heat or flame. Shelf life is 2 years from date of manufacture.

LIMITATIONS
• Silencure-A is not for use on interior surfaces or on hard steel trowel finished floors. The silane in Silencure-A will not penetrate hard smooth concrete and bond properly.
• Silencure-A must be applied within 2 hrs of final finishing. If it cannot be completed within 2 hrs use a film forming curing compound or wet cure the concrete.
• Silencure-A is not compatible with resilient floor covering adhesives it may prevent adhesive bonding. It is not intended for use on surfaces to receive concrete overlays or toppings. Consult ChemMasters’ Technical Service Department for compatibility with surface treatments. Always test for compatibility and adhesion.
• Solvent, gasoline, and hydraulic fluids must be cleaned quickly to prevent deterioration of the film.
• Do not apply Silencure-A to joints or channels scheduled to receive elastomeric caulks.
• Do not use if ambient temperature is below 40°F (4°C). For best results condition material to a minimum of 70°F (21°C).
• All label precautions and Safety Data Sheet must be fully understood before using this product.
• Avoid overspray or splash on adjoining surfaces such as glass, metal, masonry, painted, vinyl, etc. with Silencure-A to avoid undesirable effects. Clean surfaces with mineral spirits before Silencure-A dries.
• Quality curing or sealing compounds may darken or highlight the color variations naturally present in concrete.

CAUTION
• Flammable Liquid: Keep away from heat or open flame. Use with adequate ventilation.
• May cause skin, eye, or respiratory tract irritation. Do not take internally.
• All label precautions and the Safety Data Sheet must be fully understood before using this product.

Keep out of reach of children.