For any application you may have, we have you covered.

Whatever your needs... we have the solution.
For over 85 years, W. R. MEADOWS has been leading the way in product innovation and technology. Our line of construction liquids has been recognized as a leader and trendsetter in the industry.

W. R. MEADOWS offers VOC-compliant solvent- and water-based products to meet every need of the construction industry. Our products are backed by over 85 years of experience.

Our water-based products were created in the 1970s in order to meet future market needs. This GREEN LINE of environmentally friendly products has been a popular part of our line since its inception. These products assist designers in earning LEED credits when used in green projects. W. R. MEADOWS is a member of the United States and Canada Green Building Council (CaGBC).

Research and Development

Innovative ideas from our research and development lab keep us on the leading edge of construction products technology in our key markets of opportunity. From the very beginning, W. R. MEADOWS, INC. has been determined to play a leadership role in the concrete construction industry. The company has achieved that goal and maintains its leadership position through the development of unique products that are proprietary by design. Our own in-house research and development laboratory continues to play a key role in keeping us and our product lines on the leading edge of technology. We are committed to being a leader in research and development. Innovation is a key part of our success.
Curing Compounds vs. Curing and Sealing Compounds vs. Sealing Compounds

Curing compounds (cures) are liquid membrane-forming compounds that, when applied to fresh concrete, reduce moisture loss in the early hardening period. A curing compound helps retain moisture in the concrete, resulting in improved hydration of the concrete. This improved hydration produces a stronger, denser concrete substrate when compared to improperly or uncured concrete. The curing compound is considered a temporary coating, which will eventually break down and dissipate from exposure to UV light, traffic, etc.

A curing and sealing compound (cures and seals) cures as outlined above, but also forms a film that offers continued protection and improved aesthetic qualities, such as shine and a glossy, wet look, to the concrete. Curing and sealing compounds are designed to be used on fresh concrete to cure, and then will also remain on the concrete to offer the additional benefits of a sealer, such as improved appearance and improved resistance to chemicals, water, de-icing salts, etc.

A sealing compound (sealers) are designed to be applied after the concrete has cured, providing the sealing properties that are outlined above.

W. R. MEADOWS offers all three types of compounds, to suit your every concrete surface need.

Decorative Concrete

W. R. MEADOWS continues to support the booming decorative concrete market with several products to make your project a work of art. Give your decorative concrete project a look that lasts with the following products:

DECRA-SEAL VOC-compliant decorative concrete cure and seal
DECRA-SEAL W/B non-yellowing sealer for decorative concrete
EXPO-GLOSS “wet look” exposed aggregate sealer
INTRAGUARD™ Water-Based, Clear, Penetrating Sealing Compound for Salt Protection
BELLATRIX premium concrete enhancer
TOP-STOP spray-applied, water-based surface retarder
EVAPRE & EVAPRE-RTU evaporation retardant
DECK-O-FOAM expansion joint filler
ULTRITE DEGREASER heavy duty concrete degreaser and stripper
SURE-STEP slip-resistant additive

Curing and Sealing Products:

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<td>1600-WHITE</td>
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<td>TIAH®</td>
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<td>Curing and Sealing Compounds</td>
<td>Curing Aid, Densifier and Hardener</td>
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<tr>
<td>CS-309™-25</td>
<td>MED-CURE™</td>
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<td>CS-309-30</td>
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<td>SEAL CURE™ 309-25</td>
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<td>CS-309-OTC</td>
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<td>CS-309-25 OTC</td>
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<tr>
<td>CS-309-30 OTC</td>
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<tr>
<td>DECK-O-GRIP®</td>
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<tr>
<td>DECRASEAL™</td>
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<tr>
<td>DECRASEAL OTC</td>
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<td>VOCOM®-20</td>
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<td>VOCOM®-25</td>
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<td>VOCOM®-30</td>
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<td>LIN-SEAL®</td>
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<td>LIN-SEAL EMULSION</td>
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<td>LIN-SEAL WHITE</td>
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<tr>
<td>Surface Retarder</td>
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<tr>
<td>TOP-STOP™</td>
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</tbody>
</table>

In addition to the products listed, W. R. MEADOWS provides products for specific areas of the country, including California and the Northeast. These products are formulated to meet state and local VOC regulations. To find out which products are available in your area, call your local branch office at 800.342.5976. In addition, certain location-specific products are listed on our website at www.wrmeadows.com.
<table>
<thead>
<tr>
<th>Product Name</th>
<th>Features/Benefits</th>
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<tbody>
<tr>
<td><strong>1100-CLEAR Resin-Based, Water-Based Concrete Curing Compound</strong> CSI Code: 03 39 23 Membrane Concrete Curing</td>
<td>• Produces a premium-grade film which optimizes water retention. • Ready to use, water-based. • Produces hard, dense concrete ... minimizes hair-checking, thermal cracking, dusting and other defects. • Seals in the performance assets of strength and long life. • Offers a compressive strength significantly greater than improperly or uncured concrete. • Increases tensile strength. • Improves resistance to abrasion and the corrosive actions of salts and chemicals. • Minimizes excessive shrinkage. • Applies quickly and easily with conventional commercial spray equipment. Also available with red fugitive dye added. • VOC compliant ... actual VOC content is &lt;100 g/L.</td>
<td><strong>ASTM C 309, Type I, Class A</strong> (Type 1-D, also available) <strong>ASTM C 309, Type I, Class A</strong> (Type 1-D, also available) <strong>ASTM C 309, Type I, Class A</strong> (Type 1-D, also available) <strong>ASTM C 309, Type I, Class A</strong> (Type 1-D, also available) <strong>ASTM C 309, Type I, Class A</strong> (Type 1-D, also available) <strong>ASTM C 309, Type I, Class A</strong> (Type 1-D, also available) <strong>ASTM C 309, Type I, Class A</strong> (Type 1-D, also available) <strong>ASTM C 309, Type I, Class A</strong> (Type 1-D, also available) <strong>ASTM C 309, Type I, Class A</strong> (Type 1-D, also available)</td>
<td>• 5 Gallon (18.93 Liter) Pails • 55 Gallon (208.20 Liter) Drums</td>
<td>Approximately 200 sq. ft./gal. (4.9 sq. m/L)</td>
<td>Used on both interior and exterior applications. Used on both interior and exterior, horizontal or vertical concrete applications, where subsequent surface treatments will not be applied. Ideal for application on exterior, horizontal surfaces, such as highways, airports, street and curb paving - for optimum curing when protection from the sun’s heat is desired.</td>
</tr>
<tr>
<td><strong>1300-CLEAR Water-Based, Wax-Based Concrete Curing Compound</strong> CSI Code: 03 39 23 Membrane Concrete Curing</td>
<td>• Provides a premium-grade film which optimizes water retention. • Ready to use, water-based. • Produces hard, dense concrete ... minimizes hair-checking, thermal cracking, dusting and other defects. • Seals in the performance assets of strength and long life. • Offers a compressive strength significantly greater than improperly or uncured concrete. • Increases tensile strength. • Improves resistance to abrasion and the corrosive actions of salts and chemicals ... minimizes shrinkage. • Applies quickly and easily with conventional commercial spray equipment. • VOC compliant ... actual VOC content is &lt;100 g/L.</td>
<td><strong>ASTM C 309, Type 2, Class A &amp; B</strong> <strong>ASTM C 309, Type 2, Class A &amp; B</strong> <strong>ASTM C 309, Type 2, Class A &amp; B</strong> <strong>ASTM C 309, Type 2, Class A &amp; B</strong> <strong>ASTM C 309, Type 2, Class A &amp; B</strong> <strong>ASTM C 309, Type 2, Class A &amp; B</strong> <strong>ASTM C 309, Type 2, Class A &amp; B</strong> <strong>ASTM C 309, Type 2, Class A &amp; B</strong> <strong>ASTM C 309, Type 2, Class A &amp; B</strong></td>
<td>• 5 Gallon (18.93 Liter) Pails • 55 Gallon (208.20 Liter) Drums</td>
<td>Approximately 200 sq. ft./gal. (4.9 sq. m/L)</td>
<td>Ideal for application on exterior, horizontal surfaces, such as highways, airports, street and curb paving - for optimum curing when protection from the sun’s heat is desired.</td>
</tr>
<tr>
<td><strong>1200-WHITE Water-Based, Resin-Based Concrete Curing Compound</strong> CSI Code: 03 39 23 Membrane Concrete Curing</td>
<td>• Provides a premium-grade film which optimizes water retention. • Reflects the sun’s rays to keep the concrete surface cooler and prevent excessive heat buildup, which can cause thermal cracking. • Ready to use, water-based. • Produces hard, dense concrete ... minimizes hair-checking, shrinkage, thermal cracking, dusting and other defects. • Seals in the performance assets of strength and long life. • Offers a compressive strength significantly greater than improperly or uncured concrete. • Increases tensile strength for greater resistance to cracking and surface crazing. • Improves abrasion resistance and minimizes corrosive action of salts and chemicals ... minimizes shrinkage. • Applies quickly and easily with conventional, commercial spray equipment. • VOC compliant ... meets U.S. EPA Architectural Coatings Rule requirements.</td>
<td><strong>U.S. EPA Architectural Coatings Rule: 350 g/L maximum VOC for concrete curing compounds</strong> <strong>SCAQM Rule 1113: 100 g/L maximum VOC for concrete curing compounds</strong> <strong>Ozone Transport Commission (OTC): 350 g/L maximum VOC for Concrete Curing Compounds</strong> <strong>ASTM C 309, Type I, Classes A &amp; B</strong> (Type 1-D, also available) <strong>ASTM C 309, Type I, Classes A &amp; B</strong> (Type 1-D, also available) <strong>ASTM C 309, Type I, Classes A &amp; B</strong> (Type 1-D, also available)</td>
<td>• 5 Gallon (18.93 Liter) Pails • 55 Gallon (208.20 Liter) Drums</td>
<td>Approximately 200 sq. ft./gal. (4.9 sq. m/L)</td>
<td>Ideal for application on exterior, horizontal surfaces, such as highways, airports, street and curb paving - for optimum curing when protection from the sun’s heat is desired.</td>
</tr>
<tr>
<td><strong>1600-WHITE Water-Based, Wax-Based Concrete Curing Compound</strong> CSI Code: 03 39 23 Membrane Concrete Curing</td>
<td>• Provides a premium-grade film which optimizes water retention. • Protects by reflecting the sun’s rays to keep the concrete surface cooler and prevent excessive heat buildup, which can cause thermal cracking. • Ready to use, water-based. • Produces hard, dense concrete ... minimizes hair-checking, shrinkage, thermal cracking, dusting and other defects. • Seals in the performance assets of strength and long life. • Offers a compressive strength significantly greater than improperly or uncured concrete. • Increases tensile strength for greater resistance to cracking and surface crazing. • Improves resistance to abrasion and corrosive action of salts and chemicals ... minimizes shrinkage. • Applies quickly and easily with conventional, commercial spray equipment. • VOC compliant ... actual VOC content is &lt;100 g/L.</td>
<td><strong>U.S. EPA Architectural Coatings Rule: 350 g/L maximum VOC for concrete curing compounds</strong> <strong>SCAQM Rule 1113: 100 g/L maximum VOC for concrete curing compounds</strong> <strong>Ozone Transport Commission (OTC): 350 g/L maximum VOC for concrete curing compounds</strong> <strong>ASTM C 309, Type 2, Class A</strong> <strong>ASTM C 309, Type 2, Class A</strong></td>
<td>• 5 Gallon (18.93 Liter) Pails • 55 Gallon (208.20 Liter) Drums</td>
<td>Approximately 200 sq. ft./gal. (4.9 sq. m/L)</td>
<td>Ideal for application on exterior, horizontal surfaces, such as highways, airports, street and curb paving - for optimum curing when protection from the sun’s heat is desired.</td>
</tr>
</tbody>
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**Quick Reference Selector for Curing Compounds**

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<tr>
<th>Curing Compounds</th>
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<th>Usage</th>
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<tbody>
<tr>
<td><strong>Membrane Concrete Curing</strong></td>
<td>- U.S. EPA Architectural Coatings Rule: 350 g/L maximum VOC for concrete curing compounds - SCAQM Rule 1113: 100 g/L maximum VOC for concrete curing compounds - Ozone Transport Commission (OTC): 350 g/L maximum VOC for concrete curing compounds</td>
<td>- 5 Gallon (18.93 Liter) Pails - 55 Gallon (208.20 Liter) Drums</td>
<td>- Approximately 200 sq. ft./gal. (4.9 sq. m/L)</td>
<td>- Used on both interior and exterior, horizontal or vertical concrete applications, where subsequent surface treatments will not be applied. - Ideal for application on exterior, horizontal surfaces, such as highways, airports, street and curb paving - for optimum curing when protection from the sun’s heat is desired.</td>
</tr>
<tr>
<td><strong>Water-Based, Resin-Based Concrete Curing Compound</strong></td>
<td>- ASTM C 309, Type I, Class A (Type 1-D, also available) - AASHTO M 148, Type I, Class A (Type 1-D, also available) - Meets 100 g/L maximum VOC content allowed by SCAQM Rule 1113 (certain series products only)</td>
<td>- 5 Gallon (18.93 Liter) Pails - 55 Gallon (208.20 Liter) Drums</td>
<td>- Approximately 200 sq. ft./gal. (4.9 sq. m/L)</td>
<td>- Ideal for application on exterior, horizontal surfaces, such as highways, airports, street and curb paving - for optimum curing when protection from the sun’s heat is desired.</td>
</tr>
<tr>
<td><strong>Water-Based, Wax-Based Concrete Curing Compound</strong></td>
<td>- ASTM C 309, Type 2, Class A &amp; B - AASHTO M 148, Type 2, Class A &amp; B - F.A.A. Item P-610-2.11 (e)</td>
<td>- 5 Gallon (18.93 Liter) Pails</td>
<td>- Approximately 200 sq. ft./gal. (4.9 sq. m/L)</td>
<td>- Ideal for application on exterior, horizontal surfaces, such as highways, airports, street and curb paving - for optimum curing when protection from the sun’s heat is desired.</td>
</tr>
<tr>
<td><strong>Water-Based, Resin-Based Concrete Curing Compound</strong></td>
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</tbody>
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## Construction Liquid Products

### CURING COMPOUNDS

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<thead>
<tr>
<th>2000-WHITE Poly-Alphamethlysterene Concrete Curing Compound</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CS Code:</strong> 03 39 23 Membrane Concrete Curing</td>
</tr>
</tbody>
</table>

- **Ready for use and applied easily.**
- **Excellent moisture retention.**
- **Does not react with the ingredients in Portland Cement concrete.**
- **Poly-Alphamethylstyrene-resin-based.**
- **Furnishes a white-pigmented film, allowing for cooler concrete during the hydration process.**
- **Improved abrasion resistance of concrete surface.**
- **VOC compliant ... meets U.S. EPA Architectural Coatings Rule requirements.**

### CURING AID, DENSIFIER AND HARDENER

<table>
<thead>
<tr>
<th>MED-CURE Concrete Curing Aid &amp; Hardener</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CS Code:</strong> 03 35 00 Concrete Finishing</td>
</tr>
</tbody>
</table>

- **Penetrates to aid curing, as well as to harden concrete in one easy application.**
- **Provides a low maintenance finished surface.**
- **Tint aids in identifying coverage.**
- **Ideal for new or old, interior or exterior, horizontal or vertical concrete surfaces.**
- **Dries fast and may be re-coated if desired.**
- **Application tools may be cleaned with water.**
- **VOC compliant ... actual VOC content is 0 g/L.**

### CURING AND SEALING COMPOUNDS

<table>
<thead>
<tr>
<th>CS-309-25 Acrylic, Non-Yellowing Curing and Sealing Compound</th>
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</thead>
<tbody>
<tr>
<td><strong>CS Code:</strong> 03 39 23 Membrane Concrete Curing</td>
</tr>
</tbody>
</table>

- **Provides a totally clear membrane for new and existing concrete that will not yellow.**
- **Permeable film allows moisture in cured concrete to evaporate.**
- **Provides a tough, durable, uniform, long-lasting film finish on exterior concrete surfaces.**
- **Cures and seals freshly placed concrete simultaneously in one application.**
- **Provides a premium-grade seal, yielding optimum moisture retention.**
- **Minimizes hair-checking cracking, dusting, spalling and other defects common to improperly or uncurtained concrete.**
- **Provides improved resistance to chemicals, oil, grease, de-icing salts and abrasion during construction.**
- **Provides an attractive sheen that enhances the natural appearance of concrete.**
- **Applies easily ... dries quickly.**
- **Permits easy cleanup and housekeeping ... reduces floor maintenance costs.**
- **VOC compliant.**

<table>
<thead>
<tr>
<th>CS-309-30 Acrylic, Non-Yellowing Curing and Sealing Compound</th>
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<td><strong>CS Code:</strong> 03 39 23 Membrane Concrete Curing</td>
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</table>

- **Provides a totally clear membrane for new and existing concrete that will not yellow.**
- **Provides a tough, non-yellowing, durable, uniform, long-lasting film finish on exterior concrete surfaces.**
- **Cures, hardens, waterproofs and seals freshly placed concrete simultaneously in one application.**
- **Provides a premium-grade seal, yielding superior moisture retention.**
- **Minimizes hair-checking cracking, dusting, spalling and other defects common to improperly or uncurtained concrete.**
- **Provides improved resistance to chemicals, oil, grease, de-icing salts and abrasion during construction.**
- **Provides an attractive sheen that enhances the natural appearance of concrete.**
- **Applies easily ... dries quickly.**
- **Permits easy cleanup and housekeeping ... reduces floor maintenance costs.**
- **VOC compliant ... meets U.S. EPA Architectural Coatings Rule requirements.**

<table>
<thead>
<tr>
<th>SEAL CURE 309-25 Concrete Curing and Sealing Compound</th>
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</thead>
<tbody>
<tr>
<td><strong>CS Code:</strong> 03 05 00 Common Work Results in Concrete</td>
</tr>
</tbody>
</table>

- **Provides an economical, durable, tough, uniform, nearly impermeable, long-lasting film finish on exterior concrete surfaces.**
- **Cures, hardens, waterproofs and seals freshly placed concrete simultaneously in one application.**
- **Provides a premium-grade seal, yielding optimum moisture retention.**
- **Minimizes hair-checking cracking, dusting, spalling and other defects common to improperly or uncurtained concrete.**
- **Provides improved resistance to chemicals, oil, grease, de-icing salts and abrasion during construction.**
- **Provides an attractive sheen that enhances the natural appearance of concrete.**
- **Applies easily ... dries quickly.**
- **Permits easy cleanup and housekeeping ... reduces floor maintenance costs.**
- **Increases both compressive and tensile strengths for greater resistance to cracking and surface crazing.**
- **VOC compliant ... meets U.S. EPA Architectural Coatings Rule requirements.**

### Table

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<th><strong>CURING COMPOUNDS</strong></th>
<th><strong>CURING AID, DENSIFIER AND HARDENER</strong></th>
<th><strong>CURING AND SEALING COMPOUNDS</strong></th>
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<tr>
<td>2000-WHITE Poly-Alphamethlysterene Concrete Curing Compound</td>
<td>MED-CURE Concrete Curing Aid &amp; Hardener</td>
<td>CS-309-25 Acrylic, Non-Yellowing Curing and Sealing Compound</td>
</tr>
<tr>
<td>CSI Code: 03 39 23 Membrane Concrete Curing</td>
<td>CSI Code: 03 35 00 Concrete Finishing</td>
<td>CSI Code: 03 39 23 Membrane Concrete Curing</td>
</tr>
<tr>
<td><strong>5 Gallon (18.93 Liter) Pails</strong></td>
<td><strong>5 Gallon (18.93 Liter) Pails</strong></td>
<td><strong>5 Gallon (18.83 Liter) Pails</strong></td>
</tr>
<tr>
<td><strong>55 Gallon (208.20 Liter) Drums</strong></td>
<td><strong>55 Gallon (208.20 Liter) Drums</strong></td>
<td><strong>55 Gallon (208.20 Liter) Drums</strong></td>
</tr>
<tr>
<td><strong>Approximately 200 sq. ft./gal. (sq. m/L)</strong></td>
<td><strong>Broomed surface: 400 sq. ft./gal. (9.02 sq.m/L)</strong></td>
<td><strong>300-600 sq. ft./gal. (7.37-14.73 sq. m/L)</strong></td>
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<tr>
<td><strong>300-600 sq. ft./gal. (7.37-14.73 sq. m/L)</strong></td>
<td><strong>300-600 sq. ft./gal. (7.37-14.73 sq. m/L)</strong></td>
<td><strong>300-600 sq. ft./gal. (7.37-14.73 sq. m/L)</strong></td>
</tr>
</tbody>
</table>

Is white-pigmented to reflect the sun’s rays. This maintains cooler concrete, reducing the expansive and contractive stresses that cause cracking during the hydration process. Provides a tough, smooth, uniform film with excellent adhesion to the fresh concrete surface, producing high quality, durable concrete.

Ideal as a curing aid, as well as for hardening and dustproofing exposed concrete floor slabs, sidewalks, driveways, beams, columns, etc. Can be used to provide a hard, dust-free surface on concrete floors to be painted or covered by resilient, carpeted, wood or synthetic flooring.

Ideal for application on commercial and industrial concrete surfaces, sidewalks, patios, multi-level parking decks, driveways and parking areas. Provides a durable, long-lasting finish that offers improved resistance to chemicals, oil, grease, de-icing salts and abrasion. Provides an attractive, low sheen finish that enhances the natural appearance of the concrete.

Ideal for application on commercial and industrial concrete surfaces, sidewalks, patios, multi-level parking decks, driveways and parking areas. Provides a durable, long-lasting finish that offers improved resistance to chemicals, oil, grease, de-icing salts and abrasion. Provides an attractive, low sheen finish that enhances the natural appearance of the concrete.

May be used on freshly placed and finished exterior concrete surfaces, aged concrete surfaces and concrete walls. Ideal for use on industrial and commercial concrete surfaces, sidewalks, parking decks, driveways, etc., or any place a medium-sheen finish is desired. Can be applied to colored concrete.
### Quick Reference Selector for Curing and Sealing Compounds

<table>
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<tr>
<th>Product Name</th>
<th>CS-309-OTC Non-Yellowing, Acrylic Curing and Sealing Compound For Decorative Concrete</th>
<th>CS-309-25 OTC Non-Yellowing, Acrylic Curing and Sealing Compound</th>
<th>CS-309-30 OTC Acrylic, Non-Yellowing Curing and Sealing Compound</th>
<th>DECK-O-GRIP Non-Yellowing, Acrylic, Slip-Resistant Concrete Deck Treatment</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSI Code</td>
<td>03 39 23 Membrane Concrete Curing</td>
<td>03 39 23 Membrane Concrete Curing</td>
<td>03 39 23 Membrane Concrete Curing</td>
<td>03 39 23 Membrane Concrete Curing</td>
</tr>
<tr>
<td>Features/Benefits</td>
<td>• Specifically formulated to enhance the appearance of colored and architectural concrete.</td>
<td>• Provides a totally clear membrane for new and existing concrete.</td>
<td>• Provides a totally clear membrane for new and existing concrete that will not yellow.</td>
<td>• Provides a totally clear membrane for new or existing concrete that will not yellow.</td>
</tr>
<tr>
<td></td>
<td>• Permeable film allows moisture in cured concrete to evaporate.</td>
<td>• Provides a tough, durable, uniform, long-lasting film on exterior concrete surfaces.</td>
<td>• Provides a tough, durable, uniform, long-lasting film finish on exterior concrete surfaces.</td>
<td>• Permeable film allows moisture in cured concrete to evaporate.</td>
</tr>
<tr>
<td></td>
<td>• Provides a clear, tough, easy-to-clean film which improves abrasion and stain resistance.</td>
<td>• Produces a premium-grade seal yielding superior moisture retention.</td>
<td>• Produces a tough, durable, uniform, long-lasting film finish on exterior concrete surfaces.</td>
<td>• Provides a tough, durable, uniform, long-lasting film finish on exterior concrete surfaces.</td>
</tr>
<tr>
<td></td>
<td>• Ultra-stable, non-yellowing under extreme exposure.</td>
<td>• Minimizes hair checking, cracking, dusting, spalling, and other defects common to improperly cured or uncured concrete.</td>
<td>• Provides improved resistance to chemicals, oil, grease, de-icing salts, and abrasion during construction.</td>
<td>• Provides improved resistance to rain, sun, freezing temperatures and pool chemicals.</td>
</tr>
<tr>
<td></td>
<td>• Offers improved resistance to rain, sun, freezing temperatures, most acids and industrial chemicals, oil, grease, de-icing salts, cleaning agents (except aromatic solvents), caustics, airborne soot, dust and other pollutants.</td>
<td>• Provides a clear, tough, easy-to-clean film which improves abrasion and stain resistance.</td>
<td>• Provides an attractive sheen that enhances the natural appearance of concrete.</td>
<td>• Provides improved resistance to rain, sun, freezing temperatures and pool chemicals.</td>
</tr>
<tr>
<td></td>
<td>• Recoat after thorough surface cleaning to restore the original beauty.</td>
<td>• Provides a clear, tough, easy-to-clean film which improves abrasion and stain resistance.</td>
<td>• Provides an attractive sheen that enhances the natural appearance of concrete.</td>
<td>• Provides improved resistance to rain, sun, freezing temperatures and pool chemicals.</td>
</tr>
<tr>
<td></td>
<td>• Applies easily … dries quickly for less downtime.</td>
<td>• Provides a clear, tough, easy-to-clean film which improves abrasion and stain resistance.</td>
<td>• Provides an attractive sheen that enhances the natural appearance of concrete.</td>
<td>• Provides improved resistance to rain, sun, freezing temperatures and pool chemicals.</td>
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<tr>
<td></td>
<td>• Concrete sealed with CS-309-OTC can later be painted (consult reputable paint manufacturer for compatibility) or covered with resilient flooring or carpeting, if desired.</td>
<td>• Provides a clear, tough, easy-to-clean film which improves abrasion and stain resistance.</td>
<td>• Provides an attractive sheen that enhances the natural appearance of concrete.</td>
<td>• Provides improved resistance to rain, sun, freezing temperatures and pool chemicals.</td>
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<tr>
<td></td>
<td>• Dried film in USD A accepted.</td>
<td>• Provides a tough, durable, uniform, long-lasting film finish on exterior concrete surfaces.</td>
<td>• Provides an attractive sheen that enhances the natural appearance of concrete.</td>
<td>• Provides improved resistance to rain, sun, freezing temperatures and pool chemicals.</td>
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<td>• VOC compliant … meets the U.S. EPA Architectural Coatings Rule requirements and is OTC-compliant (Ozone Transport Commission).</td>
<td>• Provides a tough, durable, uniform, long-lasting film finish on exterior concrete surfaces.</td>
<td>• Provides an attractive sheen that enhances the natural appearance of concrete.</td>
<td>• Provides improved resistance to rain, sun, freezing temperatures and pool chemicals.</td>
</tr>
<tr>
<td>Specifications</td>
<td>• ASHTO M 148, Type I, Classes A &amp; B</td>
<td>• ASTM C 309, Type I, Classes A &amp; B</td>
<td>• ASTM C 1315, Type I, Class A</td>
<td>• ASTM C 1315, Type I, Class A</td>
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<tr>
<td></td>
<td>• ASTM C 309, Type I, Classes A &amp; B</td>
<td>• ASTM C 309, Type I, Classes A &amp; B</td>
<td>• ASTM C 1315, Type I, Class A</td>
<td>• ASTM C 1315, Type I, Class A</td>
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<td>• Complies with U.S. EPA, LACDO, and OTC maximum allowable VOC requirements.</td>
<td>• Dried film in USD A accepted</td>
<td>• Complies with U.S. EPA, LACDO, and OTC maximum allowable VOC requirements.</td>
<td>• Complies with U.S. EPA, LACDO, and OTC maximum allowable VOC requirements.</td>
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<td>• Dried film in USD A accepted.</td>
<td>• Dried film in USD A accepted</td>
<td>• Dried film in USD A accepted.</td>
<td>• Dried film in USD A accepted</td>
</tr>
<tr>
<td>Packaging</td>
<td>• 1 Gallon (3.79 Liter) Cans (6 per case)</td>
<td>• 1 Gallon (3.79 Liter) Cans (6 per case)</td>
<td>• 1 Gallon (3.79 Liter) Cans (6 per case)</td>
<td>• 1 Gallon (3.79 Liter) Cans (6 per case)</td>
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<td></td>
<td>• 5 Gallon (18.93 Liter) Pails</td>
<td>• 5 Gallon (18.93 Liter) Pails</td>
<td>• 5 Gallon (18.93 Liter) Pails</td>
<td>• 5 Gallon (18.93 Liter) Pails</td>
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<tr>
<td></td>
<td>• 55 Gallon (208.20 Liter) Drums</td>
<td>• 55 Gallon (208.20 Liter) Drums</td>
<td>• 55 Gallon (208.20 Liter) Drums</td>
<td>• 55 Gallon (208.20 Liter) Drums</td>
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<tr>
<td>Coverage</td>
<td>• 300-600 sq. ft./gal. (7.37-14.73 sq. m), depending on surface finish.</td>
<td>• 300-600 sq. ft./gal. (7.37-14.73 sq. m/L)</td>
<td>• 300-600 sq. ft./gal. (7.37-14.73 sq. m/L)</td>
<td>• 300-600 sq. ft./gal. (7.37-14.73 sq. m/L), depending on surface finish.</td>
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<td>*Coverage may vary due to porosity and condition of the concrete.</td>
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<td>*Coverage may vary due to porosity and condition of the concrete.</td>
</tr>
<tr>
<td>Usage</td>
<td>Used on driveways, patios, industrial floors, loading docks, swimming pool areas and exposed aggregate, as well as any exterior decorative surface where an enhanced appearance, protection and sealing of concrete is desired (doors to a low-medium shear). (Higher gloss films can be achieved with additional applications.) CS-309-OTC offers improved resistance to rain, sun, freezing temperatures, stains, most acids and industrial chemicals, oil, grease, de-icing salts, cleaning agents (except aromatic solvents) and caustics as well as airborne soot, dust and other pollutants.</td>
<td>CS-309-25 OTC is ideal for application on commercial and industrial concrete surfaces, sidewalks, patios, multi-level parking decks, driveways and parking areas, ... whenever you want to simultaneously cure and seal exterior concrete surfaces. The use of CS-309-25 OTC on any exterior concrete surface provides a durable, long-lasting finish that offers improved resistance to chemicals, oil, grease, de-icing salts and abrasion. CS-309-25 OTC provides an attractive, glossy finish that enhances the natural appearance of the concrete.</td>
<td>CS-309-30 OTC is ideal for application on commercial and industrial concrete surfaces, sidewalks, patios, multi-level parking decks, driveways and parking areas - whenever you want to simultaneously cure and seal exterior concrete surfaces. The use of CS-309-30 OTC on any exterior concrete surface provides a durable, long-lasting finish that has improved resistance to chemicals, oil, grease, de-icing salts, and abrasion. CS-309-30 OTC provides an attractive, low sheen finish that enhances the natural appearance of the concrete.</td>
<td>DECK-O-GRIP is designed for various exterior concrete applications, including swimming pool areas and exposed aggregate.</td>
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<tr>
<td>Interior</td>
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<tr>
<td>Exterior</td>
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<td>Horizontal</td>
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<td>Vertical</td>
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<td>Fresh Concrete</td>
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<td>Existing Concrete</td>
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<tr>
<td>Applications</td>
<td>●</td>
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<td>●</td>
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</tbody>
</table>
Construction Liquid Products

### DECRA-SEAL
Non-Yellowing Acrylic Curing and Sealing Compound for Decorative Concrete

**CSI Code:** 03 39 23 Membrane Concrete Curing

- Provides a totally clear membrane that will not yellow, for new or existing concrete.
- Permeable film allows moisture in cured concrete to evaporate.
- Seals all concrete surfaces, providing a glossy, long-lasting appearance and easier clean-up.
- Quicksuits concrete with a tough, durable film.
- Helps minimize spalling of exterior concrete.
- Provides good blush resistance in damp areas.
- Applies easily... dries to the touch in 30-60 minutes.
- Provides a clear, tough film that improves abrasion and stain resistance.
- Offers improved resistance to rain, sun, freezing temperatures, most acids and industrial chemicals, oil, grease, de-icing salts, cleaning agents (except aromatic solvents), caustics, airborne soil, dust and other pollutants.
- Seals and enhances the beauty of many concrete surfaces for years.
- Can be recoated after thorough surface cleaning to restore original beauty.
- VOC compliant... VOC content is <700 g/L.

- **ASTM C 309, Type 1, Class A & B**
- **ASTM C 1315, Type I, Class A**
- **AASHTO M 148, Type 1, Classes A & B**
- **Complies with U.S. EPA VOC content requirement.**
- **U.S. EPA AM Regulation 40CFR Part 59 - 700 g/L maximum VOC**

**5 Gallon (18.93 Liter) Pails**

**55 Gallon (208.20 Liter) Drums**

**1 Gallon (3.79 Liter) Cans (6 per carton)**

**5 Gallon (18.93 Liter) Pails**

**Approximately 300 sq. ft./gal. (7.37-14.73 sq. m/L)**

Coverage may vary due to porosity of condition of the concrete.

### DECRA-SEAL OTC
Non-Yellowing, Acrylic Curing and Sealing Compound for Decorative Concrete

**CSI Code:** 03 39 23 Membrane Concrete Curing

- Applies easily... dries to the touch in 30-60 minutes.
- Provides a clear, tough, easy-to-clean film which improves abrasion and stain resistance.
- Offers improved resistance to rain and sun, freezing temperatures, most acids and industrial chemicals, oil, grease, de-icing salts, cleaning agents (except aromatic solvents), caustics, airborne soil, dust and other pollutants.
- Excellent foot or vehicular traffic wearing qualities.
- Can be recoated after thorough surface cleaning to restore original beauty.
- Concrete can later be painted or covered with resilient flooring or carpeting, if desired.
- VOC compliant... meets U.S. EPA Architectural Coatings Rule requirements.

- **ASTM C 309, Type 1, Class A & B**
- **AASHTO M 148, Type 1, Classes A & B**
- **Dried film is USDA accepted**

**5 Gallon (18.93 Liter) Pails**

**1 Gallon (3.79 Liter) Cans (6 per carton)**

**5 Gallon (18.93 Liter) Pails**

**55 Gallon (208.20 Liter) Drums**

**1 Gallon (3.79 Liter) Units (4 per case)**

**5 Gallon (18.93 Liter) Pails**

**55 Gallon (208.20 Liter) Drums**

**300-600 sq. ft./gal. (7.37-14.73 sq. m/L)**

- **Average 300 sq. ft./gal. (7.36 sq. m/L)**

- **Broomed surface:** Approximately 300 sq. ft./gal. (7.36 sq. m/L)
- **Troweled surface:** Approximately 500 sq. ft./gal. (12.36 sq. m/L)

- **VOCA-SEAL OTG** is designed for various applications, including exterior concrete surfaces, driveways, patios, swimming pool areas, exposed aggregate, as well as any exterior surface where protection and sealing of concrete is desired. Provides a durable, long-lasting finish that offers improved resistance to chemicals, oil, grease, de-icing salts and abrasions.

- Designed for various applications, including exterior concrete surfaces, driveways, patios, swimming pool areas, exposed aggregate, as well as any exterior surface where protection and sealing of concrete is desired. Provides a durable, long-lasting, high-gloss finish that offers improved resistance to chemicals, oil, grease, de-icing salts and abrasions.

- Can be used on driveways, patios, industrial floors, loading docks, swimming pool areas and exposed aggregate, as well as any exterior surface where protection and sealing of concrete is desired (dries to a low medium sheen). Offers improved resistance to rain, sun, freezing temperatures, stains, most acids and industrial chemicals, oil, grease, deicing salts, cleaning agents (except aromatic solvents) and caustics, as well as airborne soil, dust and other pollutants.

- May be used wherever a medium-to-high sheen is desired to bring out the natural beauty of concrete without discoloring, checking or peeling. Simultaneously cures, seals and dustproofs new, old, interior, exterior, horizontal and vertical concrete surfaces. Ideal for curing, sealing and dustproofing driveways, sidewalks, patios, swimming pool areas and commercial and industrial floors. Horizontal surfaces protected with VOCOMM-25 offer excellent wearing qualities for foot and vehicular traffic.

### TIAH
Non-Yellowing Acrylic Curing and Sealing Compound

**CSI Code:** 03 05 00 Common Work Results in Concrete

- Ready to use, non-yellowing, water-based, cures and seals concrete in one quick and easy application.
- Provides a clear, tough, easy-to-clean film which improves abrasion and stain resistance.
- Offers improved resistance to rain and sun, freezing temperatures, most acids and industrial chemicals, oil, grease, de-icing salts, cleaning agents (except aromatic solvents), caustics, airborne soil, dust and other pollutants.
- Excellent foot or vehicular traffic wearing qualities.
- Can be recoated after thorough surface cleaning to restore original beauty.
- Concrete can later be painted or covered with resilient flooring or carpeting, if desired.
- VOC compliant... meets U.S. EPA Architectural Coatings Rule requirements.

- **ASTM C 309, Type 1, Classes A & B**
- **AASHTO M 148, Type 1, Classes A & B**
- **Dried film is USDA accepted**

**5 Gallon (18.93 Liter) Pails**

**1 Gallon (3.79 Liter) Cans (6 per carton)**

**5 Gallon (18.93 Liter) Pails**

**55 Gallon (208.20 Liter) Drums**

**1 Gallon (3.79 Liter) Units (4 per case)**

**5 Gallon (18.93 Liter) Pails**

**55 Gallon (208.20 Liter) Drums**

**300-600 sq. ft./gal. (7.37-14.73 sq. m/L)**

- **Average 300 sq. ft./gal. (7.36 sq. m/L)**

- **Broomed surface:** Approximately 300 sq. ft./gal. (7.36 sq. m/L)
- **Troweled surface:** Approximately 500 sq. ft./gal. (12.36 sq. m/L)

- **VOCOMM-20** - Water-Based Acrylic Curing and Sealing Compound

**CSI Code:** 03 05 00 Common Work Results in Concrete

- **VOCOMM-25** - Water-Based Acrylic Concrete Cure & Seal

**CSI Code:** 03 05 00 Common Work Results in Concrete

- **VOCOMM-25** - Water-Based Acrylic Concrete Cure & Seal

**CSI Code:** 03 05 00 Common Work Results in Concrete

- Ready to use, non-yellowing, water-based, cures and seals concrete in one quick and easy application.
- Dries quickly on new concrete to provide a clear, tough, easy-to-clean sheen finish.
- Applicable for use on new, old, interior, exterior, horizontal and vertical concrete surfaces.
- Offers improved resistance to most chemicals, petroleum, abrasives and mortar droppings.
- Application tools can be cleaned with soap and water.
- VOC compliant... actual VOC is <50 g/L.
## Quick Reference Selector for Curing and Sealing Compounds

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Features/Benefits</th>
<th>Specifications</th>
<th>Packaging</th>
<th>Coverage</th>
<th>Usage</th>
<th>Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>VOCOMP-30</strong> Water-Based Acrylic Concrete Curing and Sealing Compound</td>
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<tr>
<td>CSI Code: 03 05 00 Common Work Results in Concrete</td>
<td>• Ready to use, non-yellowing, water-based, seals and protects concrete in one quick and easy application • Dries quickly on new concrete to provide a clear, tough, easy-to-clean sheen finish. • For use on new, old, interior, exterior, horizontal and vertical concrete surfaces. • Offers improved resistance to most chemicals, petroleum, abrasives and mortar droppings. • Application tools can be cleaned with soap and water. • VOC compliant ... actual VOC content is &lt;50 g/L</td>
<td>• ASTM C 1315, Type I, Class A • ASTM C 309, Type 1, Classes A &amp; B • AASHTO M 148, Type 1, Classes A &amp; B • Dried film is USDA accepted • Meets 100 g/l maximum VOC allowed by SCAQMD Rule 1113</td>
<td>• 1 Gallon (3.79 Liter) (4 per case) • 5 Gallon (18.93 Liter) Pails • 55 Gallon (208.20 Liter) Drums</td>
<td>• Broomed Surface: Approximately 300 sq. ft./gal. (7.36 sq. m/L) • Troweled Surface: Approximately 500 sq. ft./gal. (12.26 sq. m/L)</td>
<td>• May be used whenever a thicker film, with a medium to high sheen, is desired to bring out the natural beauty of concrete without discoloring, checking or peeling. Provides an impermeable seal for superior moisture protection. May be applied to simultaneously cure, seal and dustproof new and old, interior and exterior, horizontal and vertical concrete surfaces. Ideal for curing, sealing and dustproofing driveways, sidewalks, patios, swimming pool areas and commercial and industrial floors. Horizontal surfaces protected with VOCOMP-30 offer excellent wearing qualities for foot and vehicular traffic.</td>
<td>Interior</td>
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<tr>
<td><strong>LIN-SEAL Penetrating and Anti-Spalling Compound</strong> Curing and Sealing Compounds</td>
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<tr>
<td>CSI Code: 03 05 00 Common Work Results in Concrete</td>
<td>• Protects concrete surfaces against over-exposure to de-icing salts, water and other destructive materials. • Increases the durability of the concrete. • Reduces spalling and scaling of concrete surfaces. • Troweled surfaces are ready for use four hours after application. • Ready to use ... no mixing required. • Seals, protects and extends the life of wood. • Easy to apply ... cleans up quickly with mineral spirits. • VOC compliant.</td>
<td>• ASTM C 309, Type 1, Classes A &amp; B • ASTM C 1315, Type I, Class A • AASHTO M 148, Type 1, Classes A &amp; B • ASTM C 233 • Boiled Linseed Oil ... ASTM D 260 • Most state specifications for anti-spalling compounds</td>
<td>• 5 Gallon (18.93 Liter) Pails • 55 Gallon (208.20 Liter) Drums</td>
<td>• 300 sq. ft./gal. (7.36 sq. m/L)</td>
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<td><strong>LIN-SEAL EMULSION Curing and Sealing Compound</strong></td>
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<td>CSI Code: 03 05 00 Common Work Results in Concrete</td>
<td>• Increases durability to extend the useful life of concrete. • Water-based compound. • Ready to use. • Adds in moisture retention. • Quick, easy application. • Prevents scaling and spalling. • Adherence of subsequent paint applications is not affected. • VOC compliant ... actual VOC content is &lt;50 g/L.</td>
<td>• ASTM C 309 Type 1, Classes A &amp; B* • ASTM C 1315, Type I, Class A &amp; B • AASHTO M 148 Type 1, Classes A &amp; B • AASHTO M 233 • Fed Spec. AA-371 *With exemption for drying time.</td>
<td>• 5 Gallon (18.93 Liter) Pails • 55 Gallon (208.20 Liter) Drums</td>
<td>• 300 sq. ft./gal. (7.36 sq. m/L)</td>
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<td><strong>LIN-SEAL WHITE Curing and Anti-Spalling Compound</strong></td>
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<td>CSI Code: 03 05 00 Common Work Results in Concrete</td>
<td>• Produces a nearly impermeable film which optimizes water retention. • Reflects the sun's rays to keep the concrete surface cooler and prevent excessive heat buildup, which can cause thermal cracking. • Ready to use, water-based. • Produces hard, dense concrete ... minimizes hair-checking, shrinkage, thermal cracking, dusting and other defects. • Prevents scaling and spalling. • Offers a compressive strength significantly greater than improperly cured concrete. • Increases tensile strength for greater resistance to cracking and surface crazing. • Improves abrasion resistance and minimizes corrosive action of salts and chemicals. • Applies quickly and easily. • VOC compliant ... actual VOC content is &lt;100 g/L.</td>
<td>• ASTM C 309, Type 2, Classes A &amp; B* • AASHTO M 148, Type 2, Classes A &amp; B*</td>
<td>5 Gallon (18.93 Liter) Pails 55 Gallon (208.20 Liter) Drums</td>
<td>Approximately 200 sq. ft./gal. (4.91 sq. m/L)</td>
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*Abbreviations:
- ASTM: American Society for Testing and Materials
- AASHTO: American Association of State Highway and Transportation Officials
- SCAQMD: South Coast Air Quality Management District
- VOCA: Volatile Organic Compound
## LIQUI-HARD
**Concrete Densifier and Chemical Hardener**
CSI Code: 03 05 00 Common Work Results in Concrete

- Penetrates deeply into concrete to densify and harden surfaces to prevent entry of moisture and other foreign matter.
- Dustprooﬁng and improves chemical, petroleum and abrasion resistance of treated surfaces.
- Forms a permanent, attractive sheen with the ability to polish.
- Protects against scratching or peeling.
- Provides tough, protected surface that won’t alter-yellow, discolor or show pedestrian or vehicular trafﬁc wear marks.
- Improves light reﬂectance by producing a smoother, ﬂatter concrete surface.
- Ready to use and easy to apply.
- VOC compliant ... 0 g/L.

**Coverage Rates**
- Existing (old) surface: 200 sq. ft./gal.
- Concrete properly treated with LIQUI-HARD is USDA accepted.
- Fresh (new) surface: 300-600 sq. ft./gal. (7.37-14.73 sq. m/L)
- Existing (Steel) 450-600 sq. ft./gal. (11.04-14.73 sq. m/L)
- When used as a curing compound on newly placed concrete.

### Requirements
- Complies with SCAQMD maximum allowable VOC requirement.
- Treated surface is USDA accepted.

### Usage Areas
- Required. Ideal applications include ﬂoors in industrial plants and warehouses, storage silos, sewage plants, chemical processing facilities, reﬁneries and heavy pedestrian foot trafﬁc areas, such as civic centers, sports arenas, stadiums, hospitals, airports and museums. Can successfully be used in conjunction with shake-on hardeners.

## LIQUI-HARD ULTRA
**Molecular Concrete Densifier and Chemical Hardener**
CSI Code: 03 05 00 Common Work Results in Concrete

- Intimate molecular reaction penetrates deeply into concrete to densify and harden surfaces to help prevent entry of moisture and other foreign matter.
- Quick and easy, hassle-free application procedure (no ﬂushing or rinsing required).
- Does not require brushing into the surface or rinsing (except in puddle areas).
- Improved freeze/thaw resistance.
- Dustprooﬁng and improves chemical, petroleum, and abrasion resistance of treated surfaces.
- Provides a permanent, attractive sheen with the ability to polish.
- Protects against scratching or peeling.
- Provides tough, protected surface that won’t alter-yellow, discolor or show pedestrian or vehicular traﬁc wear marks.
- Improves light reﬂectance.
- May be burnished.
- Compatible with BELLATRIX for an enhanced concrete floor.
- Ready to use from container and easy to apply.
- Saves time on the polishing/burnishing process.
- Indoor or outdoor use.
- Environmentally safe, non-hazardous.
- VOC content is 0.01 g/L.

**Coverage Rates**
- Existing (Broomed) 300-400 sq. ft./gal. (7.36-9.82 sq. m/L)
- Fresh (Newly Placed) 650-800 sq. ft./gal. (15.96-19.63 sq. m/L)

### Requirements
- Complies with SCAQMD maximum allowable VOC requirement.
- Treated surface is USDA accepted.

### Usage Areas
- Designed for use whenever hardened, dustprooﬁng, and improved chemical and abrasion resistant surfaces are required. Ideal applications include ﬂoors in industrial plants and warehouses, storage silos, sewage plants, chemical processing facilities, reﬁneries, and heavy pedestrian foot trafﬁc areas, such as civic centers, sports arenas, stadiums, hospitals, airports, and museums. LIQUI-HARD ULTRA can successfully be used in conjunction with shake-on hardeners.

## DECRA-SEAL W/B
**Non-Yellowing, Slip-Resistant Sealer for Decorative Concrete and Concrete Pool Decks**
CSI Code: 03 05 00 Common Work Results in Concrete

- Provides a totally clear membrane that will not yellow.
- Seals all concrete surfaces, providing a glossy appearance and easier clean up.
- Dustprooﬁng concrete with a tough, durable ﬁlm.
- Helps minimize spalling of exterior concrete.
- Provides good blush resistance in damp areas.
- Applies easily.
-Provides a clear, tough ﬁlm, which improves abrasion and stain resistance.
- Offers improved resistance to rain, sun, freezing temperatures, most acids and industrial chemicals, oil, grease, de-icing salts, cleaning agents (except aromatic solvents), caustics, airborne soil, dust and other pollutants.
- Seals and enhances the beauty of many concrete surfaces for years.
- Can be recoated after thorough surface cleaning to restore original beauty.
- VOC compliant … actual VOC content is <50 g/L.

**Coverage Rates**
- 300 - 600 ft.²/gal. (7.37 - 14.73 m²/L)

### Requirements
- Dried film is USDA accepted.
- EPA Architectural Coatings Rule VOC Requirements
- Meets 100 g/L maximum VOC allowed by SCAQMD Rule 1113

### Usage Areas
- Designed for various applications, including exterior concrete surfaces, driveways, patios, swimming pool areas and exposed aggregate, as well as any exterior surface where protection and sealing of concrete is desired. Provides a durable, long-lasting ﬁnish that has improved resistance to chemicals, oil, grease, de-icing salts and abrasions. Designed for use with acid stain and decorative concrete surfaces.

## DECK-O-GRIP W/B
**Non-Yellowing, Slip-Resistant Sealer for Decorative Concrete and Concrete Pool Decks**
CSI Code: 03 05 00 Common Work Results in Concrete

- Provides a totally clear membrane that will not yellow.
- Seals all concrete surfaces, providing a glossy appearance and easier clean up.
- Offers excellent slip-resistance for slippery surfaces.
- Dustprooﬁng concrete with a tough, durable ﬁlm.
- Helps minimize spalling of exterior concrete.
- Applies easily.
- Provides a clear, tough ﬁlm, which improves abrasion and stain resistance.
- Offers improved resistance to rain, sun, freezing temperatures, most acids and industrial chemicals, oil, grease, de-icing salts, cleaning agents (except aromatic solvents), caustics, airborne soil, dust and other pollutants.
- Seals and enhances the beauty of many concrete surfaces for years.
- Can be recoated after thorough surface cleaning to restore original beauty.
- VOC compliant … meets both the SCAQMD and U.S. EPA Architectural Coatings Rule requirements for sealers.

**Coverage Rates**
- 300-600 sq. ft./gal. (7.37-14.73 sq. m/L)

### Requirements
- Dried film is USDA accepted.
- EPA Architectural Coatings Rule VOC Requirements for Sealers
- Meets 100 g/L maximum VOC allowed by SCAQMD Rule 1113

### Usage Areas
- Designed for various applications, including exterior concrete surfaces, driveways, patios, swimming pool areas and exposed aggregate, as well as any exterior surface where protection and sealing of concrete is desired. Provides a durable, long-lasting ﬁnish that has improved resistance to chemicals, oil, grease, de-icing salts and abrasions.
<table>
<thead>
<tr>
<th></th>
<th>DECK-O-SHIELD</th>
<th>DECK-O-SHIELD PLUS</th>
<th>INTRAGUARD</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product Name</strong></td>
<td>Concrete Deck, Waterfall and Natural Stone Sealer</td>
<td>Concrete Deck, Waterfall and Natural Stone Sealer</td>
<td>Water-Based, Clear, Penetrating Sealing Compound for Salt Protection</td>
</tr>
<tr>
<td><strong>CSI Code</strong></td>
<td>03 05 00 Common Work Results in Concrete</td>
<td>07 19 16 Silane Water Repellents</td>
<td>MasterFormat: 03 35 00 - Concrete Finishing</td>
</tr>
</tbody>
</table>
| **Features/Benefits** | • DECK-O-SHIELD is not a film-forming material - it penetrates the surface to form an integral barrier to moisture penetration.  
• Transparent, non-staining.  
• Surface appearance after application and complete drying is virtually unchanged.  
• Reduces entrapment of dirt particles and other contaminants that cause discoloration; inhibits soiling.  
• Protects against efflorescence and rust staining.  
• Helps resist stains from spills.  
• Protects against salt staining and “whitening” caused by salts in the water.  
• One component.  
• Water-based and VOC compliant — actual VOC content is <50 g/L. | • DECK-O-SHIELD PLUS is not a film-forming material - it penetrates the surface to form an integral barrier to moisture penetration.  
• Transparent, non-staining.  
• High solids content; one-coat application on most surfaces.  
• Surface appearance after application and complete drying is virtually unchanged.  
• Reduces entrapment of dirt particles and other contaminants that cause discoloration; inhibits soiling.  
• Protects against efflorescence and rust staining.  
• Helps resist stains from spills.  
• Protects against salt staining and “whitening” caused by salt in the water.  
• Water-based, VOC compliant.  
• One component.  
• USDA accepted. | • INTRAGUARD is not a film-forming material - it penetrates the surface to form an integral barrier to moisture penetration.  
• Transparent, non-staining.  
• Reduces entrapment of dirt particles and other contaminants that cause discoloration.  
• Helps protect properly placed and cured concrete from scaling and freeze-thaw damage.  
• Protects against efflorescence and rust staining.  
• Helps resist stains from spills.  
• Water-based, VOC-compliant.  
• One component. |
| **Specifications** | • Complies with all current federal, state, and local maximum allowable VOC requirements, including U.S. EPA, SCAQMD, and OTC. | • Complies with all current federal, state, and local maximum allowable VOC requirements, including U.S. EPA, LAOCO, SCAQMD, and OTC. | • Complies with VOC Concentration Limits for Architectural Coatings Regulations in Canada. |
| **Usage** | DECK-O-SHIELD weatherprooﬁng and protects virtually all waterfalls, decks, porches, patios, and walkways around pools, including the following surfaces: natural stone, mortar joint, concrete, brick, concrete block and stucco. Another advantage DECK-O-SHIELD provides is that the product will not alter the color or tint of the surface after application. There is no need for worry when applying DECK-O-SHIELD, because the product will have no adverse effects on surface appearance after application. | DECK-O-SHIELD PLUS weatherprooﬁng and protects virtually all porous surfaces, including decks, porches, patios, and walkways around pools. This includes the following surfaces: natural stone, mortar joint, concrete, brick, concrete block, stucco. | INTRAGUARD weatherprooﬁng and protects virtually all exterior concrete surfaces, including concrete driveways, walkways, and parking lots. The product is designed to provide lasting protection from de-icing chemicals and moisture intrusion. Surfaces treated with INTRAGUARD will also be resistant to staining from oils, fuels, and common chemicals. |

### Packaging

<table>
<thead>
<tr>
<th>DECK-O-SHIELD</th>
<th>DECK-O-SHIELD PLUS</th>
<th>INTRAGUARD</th>
</tr>
</thead>
<tbody>
<tr>
<td>• 1 Gallon (3.79 Liter) Units</td>
<td>1 Gallon (3.79 Liter) Units</td>
<td>1 Gallon (3.79 Liter) Units</td>
</tr>
<tr>
<td>• 5 Gallon (18.93 Liter) Pails</td>
<td>5 Gallon (18.93 Liter) Pails</td>
<td>5 Gallon (18.93 Liter) Pails</td>
</tr>
</tbody>
</table>

### Coverage

<table>
<thead>
<tr>
<th>DECK-O-SHIELD</th>
<th>DECK-O-SHIELD PLUS</th>
<th>INTRAGUARD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural Stone: <strong>75 -175 ft²/gal</strong></td>
<td><strong>300 – 475 sq. ft/gal</strong></td>
<td><strong>300 – 475 sq. ft/gal</strong></td>
</tr>
<tr>
<td>Stucco Surfaces: <strong>60 -100 ft²/gal</strong></td>
<td><strong>300 – 475 sq. ft/gal</strong></td>
<td><strong>300 – 475 sq. ft/gal</strong></td>
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<tr>
<td>Masonry: <strong>100 -175 ft²/gal</strong></td>
<td><strong>300 – 475 sq. ft/gal</strong></td>
<td><strong>300 – 475 sq. ft/gal</strong></td>
</tr>
</tbody>
</table>

### Applications

<table>
<thead>
<tr>
<th>Interior</th>
<th>Exterior</th>
<th>Horizontal</th>
<th>Vertical</th>
<th>Fresh Concrete</th>
<th>Existing Concrete</th>
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</table>

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**Note:** Always apply a test area to determine actual coverage rates. Coverage rates will vary greatly, due to the porosity of the substrate. *Due to porosity, certain stone and block applications may require a significant increase in coverage rate — consult additional applications.*
## Construction Liquid Products

### Sealing Compounds

| TIAH Non-Yellowing Acrylic Curing and Sealing Compound |
| CSI Code: 03 05 00 Common Work Results in Concrete |
| - Applies easily...dries to the touch in 30-60 minutes. |
| - Provides a clear, tough, easy-to-clean film which improves abrasion and stain resistance. |
| - Offers improved resistance to rain and sun, freezing temperatures, most acids and industrial chemicals, oil, grease, de-icing salts, cleaning agents (except aromatic solvents) and caustics. |
| - Excellent foot or vehicular traffic qualities. |
| - Can be recoated after thorough surface cleaning to restore original beauty. |
| - Concrete can later be painted or covered with resilient flooring or carpeting, if desired. |
| - VOC compliant...meets U.S. EPA Architectural Coatings Rule requirements. |

### Premium Concrete Enhancer

| BELLATRIX Premium Concrete Enhancer |
| CSI Code: 03 05 00 Common Work Results for Concrete |
| - Permeable film allows moisture in cured concrete to evaporate. |
| - Seals surface and provides optimum gloss. |
| - Offers stain protection against many common stain-causing contaminants. |
| - Produces a tough, uniform, breathable barrier for improved durability. |
| - Dustproofs concrete. |
| - Provides excellent blush resistance in damp environments. |
| - Applies easily and economically. |
| - VOC compliant. |
| - Protects the finish when used on polished concrete. |
| - For both indoor and outdoor use. |
| - VOC compliant...actual VOC content is 0 g/L. |

### Surface Retarders

| TOP-STOP Spray-Applied, Water-Soluble Surface Retarder |
| CSI Code: 03 05 00 |
| - Architectural-quality appearance with original color and texture of the aggregate without sandblasting. |
| - Easy, economical removal of the concrete surface without laborious chipping or blasting required. |
| - No danger of acid residue from strong washing compounds. |
| - Easy to use. |
| - Less supervision of field personnel. |
| - No expensive equipment required. |
| - Uniform coverage results in uniform aggregate exposure; consistent results. |
| - Easy water cleanup. |
| - VOC compliant...actual VOC content is 0 g/L. |

### Coverage

- **55 Gallon (208.20 Liter) Drums**
  - 500 – 1000 sq. ft./gal. (12.27 – 24.54 sq. m/L)Steel Troweled Concrete: 500-600 sq. ft./gal. (12.27-14.73 sq. m/L)Polished Concrete: 1000-1500 sq. ft. (24.54-36.81 sq. m)Coverage will vary due to texture, porosity and condition of the concrete. |
- **5 Gallon (18.93 Liter) Pails**
  - 500 – 1000 sq. ft./gal. (12.27 – 24.54 sq. m/L)Steel Troweled Concrete: 500-600 sq. ft./gal. (12.27-14.73 sq. m/L)Polished Concrete: 1000-1500 sq. ft. (24.54-36.81 sq. m)Coverage will vary due to texture, porosity and condition of the concrete. |
- **1 Gallon (3.79 Liter) Units (4 per Carton)**
  - 500 – 1000 sq. ft./gal. (12.27 – 24.54 sq. m/L)Steel Troweled Concrete: 500-600 sq. ft./gal. (12.27-14.73 sq. m/L)Polished Concrete: 1000-1500 sq. ft. (24.54-36.81 sq. m)Coverage will vary due to texture, porosity and condition of the concrete. |
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- **1 Gallon (3.79 Liter) Cans**
  - 500 – 1000 sq. ft./gal. (12.27 – 24.54 sq. m/L)Steel Troweled Concrete: 500-600 sq. ft./gal. (12.27-14.73 sq. m/L)Polished Concrete: 1000-1500 sq. ft. (24.54-36.81 sq. m)Coverage will vary due to texture, porosity and condition of the concrete. |
- **300-600 sq. ft./gal. (7.37-14.73 sq. m/L)**
  - Can be used on driveways, patios, industrial floors, loading docks, swimming pool areas and exposed aggregate, as well as any exterior surface where protection and sealing of concrete is desired (dries to a low medium sheen). Offers improved resistance to rain, sun, freezing temperatures, stains, most acids and industrial chemicals, oil, grease, de-icing salts, cleaning agents (except aromatic solvents) and caustics, as well as airborne soot, dust and other pollutants. |
## Applications

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</tbody>
</table>

## Features/Benefits

- Provides a better and cleaner cast when applied on pre-stressed and pre-cast concrete forms.
- Cuts stripping time to an absolute minimum.
- Reduces form cleaning and repairing.
- Increases work form life... prevents rust... rustproofs metal forms.
- Minimizes concrete build-up on pavements, R/M trucks, mixers, spreader-finishers, buggies, chutes and other equipment.
- Prevents bonding between poured concrete and the form.
- Breaks concrete bond between the surface and the form cleanly and effectively... leaves smooth surface.
- Will not stain or discolor concrete and can be painted over.
- Ready to use... requires no additional mixing.
- VOC compliant... meets U.S. EPA Architectural Coatings Rule requirements.

- Can be safely used inside or outside.
- Produces a better and cleaner cast when applied on pre-stressed and pre-cast concrete forms.
- Cuts stripping time to an absolute minimum.
- Reduces form cleaning and repairing.
- Increases wood form life... prevents rust... rustproofs metal forms.
- Effectively minimizes concrete buildup on pavements, R/M trucks, mixers, spreader-finishers, buggies, chutes and other equipment.
- Prevents bonding between poured concrete and the form.
- Breaks concrete bond between surface and form cleanly and effectively... leaves smooth surface.
- Will not stain or discolor concrete and can be painted over.
- Ready to use... requires no additional mixing.
- VOC compliant... actual VOC content is <100 g/L.

- Pleasant citrus scent.
- Contains no diesel fuel.
- Produces a better and cleaner cast when applied on pre-stressed and pre-cast concrete forms.
- Cuts stripping time to an absolute minimum.
- Reduces form cleaning and repairing.
- Increases wood form life... prevents rust... rustproofs metal forms.
-Effectively minimizes concrete buildup on pavements, R/M trucks, mixers, spreader-finishers, buggies, chutes and other equipment.
- Prevents bonding between poured concrete and the form.
- Breaks concrete bond between surface and form cleanly and effectively... leaves smooth surface.
- Will not stain or discolor concrete and can be painted over.
- Ready to use... requires no additional mixing.
- VOC compliant... meets U.S. EPA Architectural Coatings Rule requirements.

- Meets 450 g/L maximum VOC content allowed by the U.S. EPA Architectural Coatings Rule for Form Release Agents.
- Meets 250 g/L maximum VOC content as required by OTC-VOC regulations recently implemented in the northeastern U.S.

- 5 Gallon (18.93 L) Pails
- 55 Gallon (208.20 L) Drums

- 600-1500 sq. ft./gal. (14.7-36.8 sq.m./L), depending on type and porosity of the form surface.

- Can be used on various types of forms: wood, steel, fiberglass and aluminum, as well as fiber tubes. Increases the life of wood forms by penetrating into the wood to waterproof and prevent deterioration. Reduces maintenance requirements on metal forms by forming a rutproof film that makes the metal form essentially self-cleaning and rust-free. Minimizes concrete build-up. Will not stain or discolor concrete.

- Can be used on various types of forms: wood, steel, fiberglass and aluminum, as well as fiber tubes. Increases the life of wood forms by penetrating into the wood to waterproof and prevent deterioration. Reduces maintenance requirements on metal forms because it forms a rutproof film that makes the metal form essentially self-cleaning and rust-free. Cuts machine cleanup time and minimizes concrete build-up. Can be applied on forms for pre-stressed and pre-cast concrete to produce a better and cleaner cast. Will not stain or discolor concrete.

- Can be used on various types of forms: wood, steel, fiberglass and aluminum, as well as fiber tubes. Increases the life of wood forms by penetrating into the wood to waterproof and prevent deterioration. Reduces maintenance requirements on metal forms by forming a rutproof film that makes the metal form essentially self-cleaning and rust-free. Cuts machine cleanup time because it minimizes concrete build-up. Pavers, trucks, mixers, spreader-finishers, buggies, chutes, and other types of equipment should be sprayed daily with DUOGARD CITRUS for easy clean up and rust prevention. Can be applied on forms for pre-stressed and pre-cast concrete to produce a better and cleaner cast. Will not stain or discolor concrete.

- Can be used on various types of forms: wood, steel, fiberglass and aluminum, as well as fiber tubes. Increases the life of wood forms by penetrating into the wood to waterproof and prevent deterioration. Also reduces maintenance requirements on metal forms by forming a rutproof film that makes the metal form essentially self-cleaning and rust-free. Cuts machine cleanup time because it minimizes concrete build-up. Pavers, trucks, mixers, spreader-finishers, buggies, chutes and other types of equipment should be sprayed daily with DUOGARD N.E. for easy clean up and rust prevention. Can be applied on forms for pre-stressed and pre-cast concrete to produce a better and cleaner cast. Will not stain or discolor concrete.
## CONCRETE SET ACCELERATORS

<table>
<thead>
<tr>
<th>HYDRASET Calcium Chloride Concrete Set Accelerator</th>
<th>HYDRASET-FREE Non-Chloride Concrete Set Accelerator</th>
<th>ULRITE DEGREASER Heavy-Duty Concrete Degreaser and Stripper</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSI Code: 03 05 00 Common Work Results in Concrete</td>
<td>CSI Code: 03 05 00 Common Work Results in Concrete</td>
<td>CSI Code: 03 30 51 Cleaning of Cast-In-Place Concrete</td>
</tr>
</tbody>
</table>

- Accelerates initial set time one to three times faster than normal concrete and mortar.
- Aids in strength development.
- Speeds up hydration of cement.
- Increases workability of concrete or mortar mix in colder temperatures.
- Speeds construction due to reduced setting and curing time.
- Allows earlier removal of concrete forms or other protection.
- Permits earlier finishing.
- VOC compliant ... meets U.S. EPA Architectural Coatings Rule requirements.

- ASTM C 494, Type C
- AASHTO M 194, Type C
- Corps of Engineers CRD C 87, Type C
- N/A

- 5 Gallon (18.93 Liter) Pails
- 55 Gallon (208.20 Liter) Drums
- 1 Gallon (3.8 Liter) Units
- 45 Ounce (159.68 ml) Containers
- 100-200 sq. ft./gal. (2.5-4.9 sq. m/L)
- Ideal for use as an evaporation retardant for concrete surfaces where the evaporation rate exceeds the rate of bleeding. Can be used with the MEADOW-PROTect and MEADOW-CRETE lines of repair mortars. Can also be used with condensated silica fume concrete, concrete containing fly ash and most other cementitious products.
- VO C compliant ... actual V O C content is 0 g/L.

## CONCRETE CLEANING

<table>
<thead>
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<th>ULTRITE DEGREASER Heavy-Duty Concrete Degreaser and Stripper</th>
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<td>CSI Code: 03 30 51 Cleaning of Cast-In-Place Concrete</td>
</tr>
</tbody>
</table>

- Both a stripper and a degreaser.
- Ready and easy to use full-strength directly from the container.
- Biodegradable.

- 1 Gallon (3.8 Liter) Units
- 45 Ounce (159.68 ml) Containers
- 100-200 sq. ft./gal. (2.5-4.9 sq. m/L)
- Ideal for use as an evaporation retardant for concrete surfaces where the evaporation rate exceeds the rate of bleeding. Can be used with the MEADOW-PROTect and MEADOW-CRETE lines of repair mortars. Can also be used with condensated silica fume concrete, concrete containing fly ash and most other cementitious products.
- VO C compliant ... actual V O C content is 0 g/L.

## EVAPORATION RETARDANTS

<table>
<thead>
<tr>
<th>EVAPRE Evaporation Retardant</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSI Code: 03 00 00 Concrete</td>
</tr>
</tbody>
</table>

- Significantly reduces plastic shrinkage and cracking caused by evaporation in low humidity, high temperatures and high winds.
- Allows use of lower slump and lower water to cement ratio concrete.
- Provides smooth and durable concrete flatwork.
- Reduces wind crusting, stickiness, and sponginess, which often cause poor and uneven surface texture. Allows finishing crews to adhere to established schedules.
- Reduces overall cost because timing of finishing operations is less critical. Helps minimize surface cracking due to early water loss of silica fume concrete. Available in exclusive, ready-to-use 45-oz containers. VOC compliant ... actual V O C content is 0 g/L.

- 45 Ounce (159.68 ml) Containers
- 1 Gallon (3.8 Liter) Units
- 5 Gallon (208 Liter) Drums
- 5 Gallon (208 Liter) Drums
- 100-400 sq. ft./gal. (2.5-9.9 sq. m/L)

- Ideal for use as an evaporation retardant for concrete surfaces where the evaporation rate exceeds the rate of bleeding. Can be used with condensated silica fume concrete, concrete containing fly ash and all cementitious products.
- VO C compliant ... actual V O C content is 0 g/L.
Project: US Highway 53
Location: Duluth, Minnesota, USA
Product: 2255-WHITE
Contractor: Shafer Contracting Co., Inc.
Scope: 125,000 square yards
LIQUI-HARD® is a ready-to-use, colorless liquid, formulated with chemically reactive raw materials to harden and dustproof concrete. When properly applied, LIQUI-HARD® will offer substantial improvement in abrasion and chemical resistance and will significantly improve the durability of the concrete surface when compared to untreated concrete. In addition to the densifying and hardening action, LIQUI-HARD® also solidifies the concrete, eliminating dusting and pitting.

This project is a renovation of the third oldest building in Phoenix. Originally, this building was the Monroe School; it is now the Children’s Museum of Phoenix. This is a renovation of their art studio. The original slab was still present, but has a poorly placed topping.
If you need more information on our complete line of construction liquids, here are four quick and easy access points:

- Visit our comprehensive website: www.wrmeadows.com
- Contact W. R. MEADOWS, INC. via email: info@wrmeadows.com
- Call toll free: 1-800-342-5976
- Fax: 1-847-683-4544

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www.wrmeadows.com

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