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

Whatever your needs... we have the solution.
For over 80 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 80 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

**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.

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

**Decorative Concrete**

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:

- **DE CRA-SEAL** VOC-compliant decorative concrete cure and seal
- **DE CRA-SEAL W/B** non-yellowing sealer for decorative concrete
- **EXPO-GLOSS** “wet look” exposed aggregate sealer
- **INTRA GUARD™** 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>• LIN-SEAL WHITE</td>
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</table>

**Surface Retarder**
- **TOP-STOP™**

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](http://www.wrmeadows.com).
## Quick Reference Selector for Curing Compounds

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<tr>
<th>Product Name</th>
<th>Features/Benefits</th>
<th>Specifications</th>
<th>Packaging</th>
<th>Coverage</th>
<th>Usage</th>
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</thead>
<tbody>
<tr>
<td><strong>1100-CLEAR Resin-Based, Water-Based Concrete Curing Compound</strong>&lt;br&gt;C CSI Code: 03 39 23&lt;br&gt;Membrane Concrete Curing</td>
<td>• Produces a premium-grade film which optimizes water retention.&lt;br&gt;• Provides a premium-grade film which optimizes water retention.&lt;br&gt;• Ready to use, water-based.&lt;br&gt;• Produces hard, dense concrete ... minimizes hair-checking, thermal cracking, dusting and other defects.&lt;br&gt;• Seals in the performance assets of strength and long life.&lt;br&gt;• Offers a compressive strength significantly greater than improperly or uncured concrete.&lt;br&gt;• Increases tensile strength.&lt;br&gt;• Improves resistance to abrasion and the corrosive actions of salts and chemicals.&lt;br&gt;• Minimizes excessive shrinkage.&lt;br&gt;• Applies quickly and easily with conventional commercial spray equipment.&lt;br&gt;• Also available with red fugitive dye added.&lt;br&gt;• VOC compliant ... 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>&lt;br&gt;<strong>SCAGMD Rule 1113: 100 g/L, maximum VOC for concrete curing compounds</strong>&lt;br&gt;<strong>Ozone Transport Commission (OTC): 350 g/L maximum VOC for Concrete Curing Compounds</strong>&lt;br&gt;<strong>ASTM C 309, Type 1, Class A &amp; B</strong>&lt;br&gt;(Type 1-D, also available)&lt;br&gt;<strong>AASHTO M 148, Type 1, Class A</strong>&lt;br&gt;(Type 1-D, also available)&lt;br&gt;<strong>Meets 100 g/L maximum VOC content allowed by SCAGMD Rule 1113 (certain series products only)</strong>&lt;br&gt;<strong>Mixture Department of Transportation: Section 1055</strong></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 or vertical concrete applications, where subsequent surface treatments will not be applied.</td>
</tr>
<tr>
<td><strong>1300-CLEAR Water-Based, Wax-Based Concrete Curing Compound</strong>&lt;br&gt;C CSI Code: 03 39 23&lt;br&gt;Membrane Concrete Curing</td>
<td>• Provides a premium-grade film which optimizes water retention.&lt;br&gt;• Reflects the sun’s rays to keep the concrete surface cooler and prevent excessive heat buildup, which can cause thermal cracking.&lt;br&gt;• Ready to use, water-based.&lt;br&gt;• Produces hard, dense concrete ... minimizes hair-checking, thermal cracking, dusting and other defects.&lt;br&gt;• Seals in the performance assets of strength and long life.&lt;br&gt;• Offers a compressive strength significantly greater than improperly or uncured concrete.&lt;br&gt;• Increases tensile strength for greater resistance to cracking and surface crazing.&lt;br&gt;• Improves resistance to abrasion and corrosive action of salts and chemicals ... minimizes shrinkage.&lt;br&gt;• Applies quickly and easily with conventional, commercial spray equipment.&lt;br&gt;• VOC compliant ... actual VOC content is &lt;100 g/L.</td>
<td><strong>U.S. EPA Architectural Coatings Rule:</strong>&lt;br&gt;ASTM C 309, Type 2, Class A &amp; B&lt;br&gt;AASHTO M 148, Type 2, Class A &amp; B&lt;br&gt;F.A.A. Item P-610-2.11 (e)&lt;br&gt;Formulated specifically for Federal, State, County and Municipal highway and airport paving projects&lt;br&gt;U.S. EPA Architectural Coatings Rule: ≤350 g/L, maximum VOC for concrete curing compounds.</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 or vertical concrete applications, where subsequent surface treatments will not be applied.</td>
</tr>
<tr>
<td><strong>1200-WHITE Water-Based, Resin-Based Concrete Curing Compound</strong>&lt;br&gt;C CSI Code: 03 39 23&lt;br&gt;Membrane Concrete Curing</td>
<td>• Provides a premium-grade film which optimizes water retention.&lt;br&gt;• Reflects the sun’s rays to keep the concrete surface cooler and prevent excessive heat buildup, which can cause thermal cracking.&lt;br&gt;• Ready to use, water-based.&lt;br&gt;• Produces hard, dense concrete ... minimizes hair-checking, shrinkage, thermal cracking, dusting and other defects.&lt;br&gt;• Seals in the performance assets of strength and long life.&lt;br&gt;• Offers a compressive strength significantly greater than improperly or uncured concrete.&lt;br&gt;• Increases tensile strength for greater resistance to cracking and surface crazing.&lt;br&gt;• Improves resistance to abrasion and corrosive action of salts and chemicals... minimizes shrinkage.&lt;br&gt;• Applies quickly and easily with conventional, commercial spray equipment.&lt;br&gt;• 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>&lt;br&gt;<strong>SCAGMD Rule 1113: 100 g/L maximum VOC for concrete curing compounds and waterproofing concrete/masonry sealers.</strong>&lt;br&gt;<strong>Ozone Transport Commission (OTC): 350 g/L maximum VOC for concrete curing compounds.</strong>&lt;br&gt;<strong>ASTM C 309, Type 2, Class A</strong>&lt;br&gt;5 Gallon (18.93 Liter) Pails&lt;br&gt;AASHTO M 148, Type 2, Class A&lt;br&gt;F.A.A. Item P-610-2.11 (e)</td>
<td>5 Gallon (18.93 Liter) Pails</td>
<td>Approximately 200 sq. ft./gal. (4.91 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>&lt;br&gt;C CSI Code: 03 39 23&lt;br&gt;Membrane Concrete Curing</td>
<td>• Provides a premium-grade film which optimizes water retention.&lt;br&gt;• Protects by reflecting the sun’s rays to keep the concrete surface cooler and prevent excessive heat buildup, which can cause thermal cracking.&lt;br&gt;• Ready to use, water-based.&lt;br&gt;• Produces hard, dense concrete ... minimizes hair-checking, shrinkage, thermal cracking, dusting and other defects.&lt;br&gt;• Seals in the performance assets of strength and long life.&lt;br&gt;• Offers a compressive strength significantly greater than improperly or uncured concrete.&lt;br&gt;• Increases tensile strength for greater resistance to cracking and surface crazing.&lt;br&gt;• Improves resistance to abrasion and corrosive action of salts and chemicals... minimizes shrinkage.&lt;br&gt;• Applies quickly and easily with conventional, commercial spray equipment.&lt;br&gt;• VOC compliant ... actual VOC content is &lt;100 g/L.</td>
<td><strong>U.S. EPA Architectural Coatings Rule:</strong>&lt;br&gt;ASTM C 309, Type 2, Class A &amp; B&lt;br&gt;AASHTO M 148, Type 2, Class A &amp; B&lt;br&gt;F.A.A. Item P-610-2.11 (e)&lt;br&gt;Formulated specifically for Federal, State, County and Municipal highway and airport paving projects&lt;br&gt;U.S. EPA Architectural Coatings Rule: ≤350 g/L, maximum VOC for concrete curing compounds.</td>
<td>5 Gallon (18.93 Liter) Pails</td>
<td>Approximately 200 sq. ft./gal. (4.91 sq. m/L)</td>
<td>Ideal for application on exterior, horizontal surfaces, such as highways, airports, and street and curb paving - for optimum curing when protection from the sun’s heat is desired.</td>
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</tbody>
</table>

**Applications**

- **Interior**
- **Exterior**
- **Horizontal**
- **Vertical**
- **Fresh Concrete**
- **Existing Concrete**

**Coverage**

- Approximate coverage: 200 sq. ft./gal. (4.9 sq. m/L) for fresh concrete and 200 sq. ft./gal. (4.9 sq. m/L) for existing concrete.
<table>
<thead>
<tr>
<th>CURING COMPOUNDS</th>
<th>CURING AID, DENSIFIER AND HARDENER</th>
<th>CURING AND SEALING COMPOUNDS</th>
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<td>2200-WHITE Poly-Alphamethylstyrene Concrete Curing Compound</td>
<td>CSI Code: 03 39 23 Membrane Concrete Curing</td>
<td>CSI Code: 03 39 25 Acrylic, Non-Yellowing Curing and Sealing Compound</td>
</tr>
<tr>
<td>MED-CURE Concrete Curing Aid &amp; Hardener</td>
<td>CSI Code: 03 35 00 Concrete Finishing</td>
<td>CSI Code: 03 39 23 Membrane Concrete Curing</td>
</tr>
<tr>
<td>CS-309-25 Non-Yellowing Acrylic Curing and Sealing Compound</td>
<td>CSI Code: 03 39 23 Membrane Concrete Curing</td>
<td>CSI Code: 03 05 00 Common Work Results in Concrete</td>
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<tr>
<td>CS-309-30 Acrylic, Non-Yellowing Curing and Sealing Compound</td>
<td>CSI Code: 03 39 23 Membrane Concrete Curing</td>
<td>SEAL CURE 309-25 Concrete Curing and Sealing Compound</td>
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### 2200-WHITE Poly-Alphamethylstyrene Concrete Curing Compound
- **CSI Code:** 03 39 23 Membrane Concrete Curing
- **Composition:** Poly-Alphamethylstyrene-resin-based.
- **Applications:** 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 dust-free surface on concrete floors to be painted or covered by resilient, carpeted, wood or synthetic flooring.

### MED-CURE Concrete Curing Aid & Hardener
- **CSI Code:** 03 35 00 Concrete Finishing
- **Composition:** Poly-Alphamethylstyrene.
- **Applications:** 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.

### CS-309-25 Non-Yellowing Acrylic Curing and Sealing Compound
- **CSI Code:** 03 39 23 Membrane Concrete Curing
- **Composition:** Acrylic, Non-Yellowing.
- **Applications:** 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.

### CS-309-30 Acrylic, Non-Yellowing Curing and Sealing Compound
- **CSI Code:** 03 39 23 Membrane Concrete Curing
- **Composition:** Acrylic.
- **Applications:** 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.

### SEAL CURE 309-25 Concrete Curing and Sealing Compound
- **CSI Code:** 03 05 00 Common Work Results in Concrete
- **Composition:** Acrylic, Non-Yellowing.
- **Applications:** May be used on freely 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

### CS-309-OTC Non-Yellowing, Acrylic Curing and Sealing Compound For Decorative Concrete

- **Product Name:** CS-309-OTC Non-Yellowing, Acrylic Curing and Sealing Compound
- **CSI Code:** 03 39 23 Membrane Concrete Curing

### Specifications

- **Features/Benefits**
  - Specifically formulated to enhance the appearance of colored and architectural concrete.
  - Permeable film allows moisture in cured concrete to evaporate.
  - Provides a clear, tough, easy-to-clean film which improves abrasion and stain resistance.
  - Ultraviolet stable; non-yellowing under extreme exposure.
  - 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.
  - Offers excellent foot and vehicular traffic wearing qualities.
  - Receives after thorough surface cleaning to restore the original beauty.
  - Applies easily ... dries quickly for less down time.
  - Concrete sealed with CS-309-OTC can be painted (consult reputable paint manufacturer for compatibility) or covered with resilient flooring or carpeting, if desired.
  - Dried film is USDA accepted.
  - VOC compliant ... meets the U.S. EPA Architectural Coatings Rule requirements and is OTC-compliant (Ozone Transport Commission).

- **Packaging**
  - 1 Gallon (3.79 L) Cans
  - 5 Gallon (18.93 L) Pails
  - 300-600 sq. ft./gal. (7.37-14.73 sq. m) at 300-600 sq. ft./gal. (7.37-14.73 sq. m/L), depending on surface finish.

- **Coverage**
  - 300-600 sq. ft./gal. (7.37-14.73 sq. m/L), depending on surface finish.

- **Usage**
  - 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 (plies to a thin-layered sheel). (Higher gloss films can be achieved with additional applications.)

### CS-309-25 OTC Non-Yellowing, Acrylic Curing and Sealing Compound

- **Product Name:** CS-309-25 OTC Non-Yellowing, Acrylic Curing and Sealing Compound
- **CSI Code:** 03 39 23 Membrane Concrete Curing

### Specifications

- **Features/Benefits**
  - Provides a totally clear membrane for new and existing concrete that will not yellow.
  - Provides a tough, durable, uniform, long-lasting film on exterior concrete surfaces.
  - Ultraviolet stable; non-yellowing under extreme exposure.
  - Cures and seals freshly placed concrete simultaneously in one application.
  - Produces a premium-grade seal yielding superior moisture retention.
  - Minimizes hair checking, cracking, dusting, spalling, and other defects common to improperly cured or uncured 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 for less down time.
  - Permits easy cleanup and housekeeping ... reduces floor maintenance costs.
  - Minimizes excessive shrinkage.
  - Increases both compressive and tensile strength for greater resistance to cracking and surface crazing.

- **Packaging**
  - 1 Gallon (3.79 Liter) Cans (6 per case)
  - 5 Gallon (18.93 Liter) Pails
  - 55 Gallon (208.20 Liter) Drums

- **Coverage**
  - 300-600 sq. ft./gal. (7.37-14.73 sq. m/L), depending on surface finish.

- **Usage**
  - 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 (plies to a thin-layered sheel). (Higher gloss films can be achieved with additional applications.)

### CS-309-30 OTC Acrylic, Non-Yellowing Curing and Sealing Compound

- **Product Name:** CS-309-30 OTC Acrylic, Non-Yellowing Curing and Sealing Compound
- **CSI Code:** 03 39 23 Membrane Concrete Curing

### Specifications

- **Features/Benefits**
  - Provides a totally clear membrane for new and existing concrete that will not yellow.
  - Provides a tough, non-yellowing, durable, uniform, moisture-impermeable, long-lasting film finish on exterior concrete surfaces.
  - Cures, hardens, dustproofs and seals freshly placed concrete simultaneously in one application.
  - Produces a premium-grade seal yielding superior moisture retention.
  - Minimizes hair checking, cracking, dusting, spalling, and other defects common to improperly cured or uncured 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 for less down time.
  - Permits easy cleanup and housekeeping ... reduces floor maintenance costs.
  - Minimizes excessive shrinkage.
  - Increases both compressive and tensile strength for greater resistance to cracking and surface crazing.

- **Packaging**
  - 1 Gallon (3.79 Liter) Cans
  - 5 Gallon (18.93 Liter) Pails
  - 55 Gallon (208.20 Liter) Drums

- **Coverage**
  - 300-600 sq. ft./gal. (7.37-14.73 sq. m/L), depending on surface finish.

- **Usage**
  - 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 (plies to a thin-layered sheel). (Higher gloss films can be achieved with additional applications.)

### DECK-O-GRIP Non-Yellowing, Acrylic, Slip-Resistant Concrete Deck Treatment

- **Product Name:** DECK-O-GRIP Non-Yellowing, Acrylic, Slip-Resistant Concrete Deck Treatment
- **CSI Code:** 03 39 23 Membrane Concrete Curing

### Specifications

- **Features/Benefits**
  - Provides a totally clear membrane for new or existing concrete that will not yellow.
  - Permeable film allows moisture in cured concrete to evaporate.
  - Seals all concrete surfaces, providing a glossy appearance and easier clean up.
  - Dustproofs 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 and pool chemicals.
  - Seals and enhances the beauty of many concrete surfaces for years.
  - Offers excellent non-skid foot traffic wearing qualities.
  - Can be recoated after thorough surface cleaning to restore original beauty.
  - VOC compliant ... meets U.S. EPA Architectural Coatings Rule requirements.

- **Packaging**
  - 1 Gallon (3.79 Liter) Cans
  - 5 Gallon (18.93 Liter) Pails

- **Coverage**
  - 300-600 sq. ft./gal. (7.37-14.73 sq. m/L), depending on surface finish.

- **Usage**
  - DECK-O-GRIP is designed for various exterior concrete applications, including swimming pool areas and exposed aggregate.
## Construction Liquid Products

<table>
<thead>
<tr>
<th>DECRA-SEAL Non-Yellowing Acrylic Curing and Sealing Compound for Decorative Concrete</th>
<th>DECRA-SEAL OTC Non-Yellowing, Acrylic Curing and Sealing Compound for Decorative Concrete</th>
<th>TIAH Non-Yellowing, Acrylic Curing and Sealing Compound</th>
<th>TIAH OTC Non-Yellowing, Acrylic Curing and Sealing Compound</th>
<th>VOCOMP-20 Water-Based Acrylic Curing and Sealing Compound</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSI Code: 03 39 23 Membrane Concrete Curing</td>
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<td>CSI Code: 03 05 00 Common Work Results in Concrete</td>
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</tr>
<tr>
<td><strong>Provides a totally clear membrane that will not yellow, for new or existing concrete.</strong></td>
<td><strong>Seals all concrete surfaces, providing a glossy appearance and easier clean up.</strong></td>
<td><strong>Applies easily ... dries to the touch in 30 - 60 minutes.</strong></td>
<td><strong>Apply easily ... dries to the touch in 30 - 60 minutes.</strong></td>
<td><strong>Ready to use, non-yellowing, water-based, cures and/or seals in one quick and easy application.</strong></td>
</tr>
<tr>
<td><strong>Permeable film allows moisture in cured concrete to evaporate.</strong></td>
<td><strong>Qupapouts concrete with a tough, durable film.</strong></td>
<td><strong>Provides a clear, tough, easy-to-clean film which improves abrasion and stain resistance.</strong></td>
<td><strong>Keep easily ... dries to the touch in 30 - 60 minutes.</strong></td>
<td><strong>Minimizes hair-checking, premature cracking, dusting and spalling.</strong></td>
</tr>
<tr>
<td><strong>Seals all concrete surfaces, providing a glossy appearance and easier clean up.</strong></td>
<td><strong>Helps minimize spalling of exterior concrete.</strong></td>
<td><strong>Provides a clear, tough, easy-to-clean film which improves abrasion and stain resistance.</strong></td>
<td><strong>Provides a clear, tough, easy-to-clean film which improves abrasion and stain resistance.</strong></td>
<td><strong>Dries quickly on new concrete to a durable, clear sheen finish that protects and enhances the natural appearance of concrete.</strong></td>
</tr>
<tr>
<td><strong>Quapapouts concrete with a tough, durable film.</strong></td>
<td><strong>Provides good blush resistance in damp areas.</strong></td>
<td><strong>Ofers 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 soot, dust and other pollutants.</strong></td>
<td><strong>Ofers 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.</strong></td>
<td><strong>Dries quickly on new concrete to a durable, clear sheen finish that protects and enhances the natural appearance of concrete.</strong></td>
</tr>
<tr>
<td><strong>Permeable film allows moisture in cured concrete to evaporate.</strong></td>
<td><strong>Provides good blush resistance of exterior concrete.</strong></td>
<td><strong>Excellent foot or vehicular traffic wearing qualities.</strong></td>
<td><strong>Provides a clear, tough, easy-to-clean film which improves abrasion and stain resistance.</strong></td>
<td><strong>Ideal for application on interior, exterior, horizontal and vertical concrete surfaces.</strong></td>
</tr>
<tr>
<td><strong>Seals and enhances the beauty of many concrete surfaces for years.</strong></td>
<td><strong>Seals and enhances the beauty of many concrete surfaces for years.</strong></td>
<td><strong>Can be recoated after thorough surface cleaning to restore original beauty.</strong></td>
<td><strong>Can be recoated after thorough surface cleaning to restore original beauty.</strong></td>
<td><strong>Resists adhesion of mortar droppings to protect concrete floors during construction...permits easier cleanup.</strong></td>
</tr>
<tr>
<td><strong>Can be recoated after thorough surface cleaning to restore original beauty.</strong></td>
<td><strong>Can be recoated after thorough surface cleaning to restore original beauty.</strong></td>
<td><strong>Decay after thorough surface cleaning to restore original beauty.</strong></td>
<td><strong>Recall after thorough surface cleaning to restore original beauty.</strong></td>
<td><strong>Tough, durable finish offers improved resistance to chemicals, petroleum and abrasives.</strong></td>
</tr>
<tr>
<td><strong>VOC compliant ... VOC content is &lt;700 g/L.</strong></td>
<td><strong>VOC compliant ... VOC content is &lt;350 g/L.</strong></td>
<td><strong>VOC compliant ... meets U.S. EPA Architectural Coatings Rule requirements.</strong></td>
<td><strong>VOC compliant ... meets U.S. EPA Architectural Coatings Rule requirements.</strong></td>
<td><strong>VOC compliant ... actual VOC content is &lt;50 g/L.</strong></td>
</tr>
<tr>
<td><strong>5 Gallon (18.9 L) Pails</strong></td>
<td><strong>1 Gallon (3.79 L) Cans (6 per carton)</strong></td>
<td><strong>ASTM C 1315, Type 1, Class A &amp; B</strong></td>
<td><strong>ASTM C 1315, Type 1, Class A</strong></td>
<td><strong>ASTM C 309, Type 1, Class A &amp; B</strong></td>
</tr>
<tr>
<td><strong>1 Gallon (3.79 L) Cans (6 per carton)</strong></td>
<td><strong>5 Gallon (18.3 L) Pails</strong></td>
<td><strong>AASHO M 148, Type 1, Class A &amp; B</strong></td>
<td><strong>AASHO M 148, Type 1, Class A &amp; B</strong></td>
<td><strong>AASHO M 148, Type 1, Class A &amp; B</strong></td>
</tr>
<tr>
<td><strong>55 Gallon (208.2 L) Drums</strong></td>
<td><strong>50 Gallon (208.2 L) Drums</strong></td>
<td><strong>Dried film is USD A accepted.</strong></td>
<td><strong>Dried film is USD A accepted.</strong></td>
<td><strong>Dried film is USD A accepted.</strong></td>
</tr>
<tr>
<td><strong>300-600 sq. ft./gal. (7.37-14.73 sq. m /L)</strong></td>
<td><strong>363-600 sq. ft./gal. (7.37-14.73 sq. m /L)</strong></td>
<td><strong>AASHTO M 148, Type 1, Classes A &amp; B</strong></td>
<td><strong>Dried film is USD A accepted.</strong></td>
<td><strong>Meets 100 g/L maximum VOC allowed by SCAGMD Rule 1113</strong></td>
</tr>
<tr>
<td><strong>Coverage may vary due to porosity and condition of the concrete.</strong></td>
<td><strong>Coverage may vary due to porosity and condition of the concrete.</strong></td>
<td><strong>Complies with U.S. EPA, LAD CO , and OTC construction regulations.</strong></td>
<td><strong>Complies with U.S. EPA, LAD CO , and OTC maximum allowable VOC requirements.</strong></td>
<td><strong>VOCS complies with U.S. EPA, LAD CO , and OTC construction regulations.</strong></td>
</tr>
</tbody>
</table>

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**DECR A-SEAL OTC** 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.

Can be used on driveways, parking lots, industrial floors, loading docks, swimming pool areas, and exposed aggregate, as well as any exterior surface where protection and sealing of concrete is desired (plis 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.

Can be used on driveways, parking lots, industrial floors, loading docks, swimming pool areas, and exposed aggregate, as well as any exterior surface where protection and sealing of concrete is desired (plis 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.

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**TIAH OTC** can be used on driveways, parking lots, industrial floors, loading docks, swimming pool areas, and exposed aggregate, as well as any exterior surface where protection and sealing of concrete is desired (plis to a low medium sheen). TIAH 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.

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

- **Ready to use, non-yellowing, water-based, cures and/or seals in one quick and easy application.**
- **Minimizes hair-checking, premature cracking, dusting and spalling.**
- **Dries quickly on new concrete to a durable, clear sheen finish that protects and enhances the natural appearance of concrete.**
- **Ideal for application on interior, exterior, horizontal and vertical concrete surfaces.**
- **Resists adhesion of mortar droppings to protect concrete floors during construction...permits easier cleanup.**
- **Tough, durable finish offers improved resistance to chemicals, petroleum and abrasives.**
- **Application tools may be cleaned with soap and water.**
- **VOC compliant ... actual VOC content is <50 g/L.**

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

- **ASTM C 1315, Type 1, Class A**
- **ASTM C 309, Type 1, Class A & B**
- **AASHO M 148, Type 1, Class A & B**
- **Complies with U.S. EPA VOC content requirement.**
- **U.S. EPA AM Regulation 40CFR Part 59 - 700 g/L maximum VOC.**
- **1 Gallon (3.79 L) Cans (6 per carton)**
- **5 Gallon (18.3 L) Pails**
- **300-600 sq. ft./gal. (7.37-14.73 sq. m /L)**
- **Coverage may vary due to porosity and condition of the concrete.**

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

- **ASTM C 309, Type 1, Class A & B**
- **ASTM C 390, Type 1, Class A & B**
- **ASTM C 1315, Type 1, Class A**
- **AASHTO M 148, Type 1, Class A & B**
- **Dried film is USD A accepted.**
- **Dried film is USD A accepted.**
- **Meets 100 g/L maximum VOC allowed by SCAGMD Rule 1113**
- **1 Gallon (3.79 L) Cans (6 per carton)**
- **5 Gallon (18.3 L) Pails**
- **55 Gallon (208.2 L) Drums**
- **Approximately 300 sq. ft./gal. (7.36 sq. m /L)**
<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>
</table>
| **VOCOMP-25** Water-Based Acrylic Concrete Cure & Seal | • 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. | • ASTM C 1315, Type I, Class A  
• ASTM C 309, Type 1, Classes A & B  
• ASHTO M 148, Type 1, Classes A & B  
• Dried film is USDA accepted  
• Meets 100 g/L maximum VOC allowed by SCAQM D Rule 1113 | • 1 Gallon (3.79 Liter) Units (4 per case)  
• 5 Gallon (18.93 Liter) Pails  
• 55 Gallon (208.20 Liter) Drums | • Broomed surface: Approximately 300 sq. ft./gal. (7.25 sq. m/L)  
• Troweled surface: Approximately 500 sq. ft./gal. (12.26 sq. m/L) | 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 VOCOMP-25 offer excellent wearing qualities for foot and vehicular traffic. | Interior  
Exterior  
Horizontal  
Vertical  
Fresh Concrete  
Existing Concrete |
| **VOCOMP-30** Water-Based Acrylic Concrete Curing and Sealing Compound | • 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 < 50 g/L. | • ASTM C 1315, Type I, Class A  
• ASTM C 309, Type 1, Classes A & B  
• ASHTO M 148, Type 1, Classes A & B  
• Dried film is USDA accepted  
• Meets 100 g/L maximum VOC allowed by SCAQM D Rule 1113 | • 1 Gallon (3.79 Liter) Units (4 per case)  
• 5 Gallon (18.93 Liter) Pails  
• 55 Gallon (208.20 Liter) Drums | • Broomed Surface: Approximately 300 sq. ft./gal. (7.25 sq. m/L)  
• Troweled Surface: Approximately 500 sq. ft./gal. (12.26 sq. m/L) | May be used wherever 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. | Interior  
Exterior  
Horizontal  
Vertical  
Fresh Concrete  
Existing Concrete |
| **LIN-SEAL Penetrating and Anti-Spalling Compound** | • 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.  
• Treated 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. | • ASHSTO M 233  
• Boiled Linseed Oil ... ASTM D 260  
• Most state specifications for anti-spalling compounds | • 5 Gallon (18.93 Liter) Pails  
• 55 Gallon (208.20 Liter) Drums | • 300 sq. ft./gal. (7.35 sq. m/L) | Ideal for application on Portland cement concrete bridge decks, parking garage decks and ramps, or any concrete surface which allows the concrete to absorb water, de-icing salts or other destructive materials. May also be applied on wood to seal, protect and extend the life of the protected wood. | Interior  
Exterior  
Horizontal  
Vertical  
Fresh Concrete  
Existing Concrete |
| **LIN-SEAL EMULSION Curing and Sealing Compound** | • Increases durability to extend the useful life of concrete.  
• Water-based compound.  
• Ready to use.  
• Aids in moisture retention.  
• Quick, easy application.  
• Prevents scaling and spalling.  
• Adherence of subsequent paint applications is not affected.  
• VOC Compliant ... actual VOC content is < 50 g/L. | • ASTM C 309 Type 1, Classes A & B*  
• ASHSTO M 148 Type 1, Classes A & B*  
• Numerous State D.O.T. Specifications  
• Boiled Linseed Oil: ASTM D 260  
*With exemption for drying time. | • 5 Gallon (18.93 Liter) Pails  
• 55 Gallon (208.20 Liter) Drums | • 300 sq. ft./gal. (7.36 sq. m/L) | Ideal for use on bridge decks, parking garage decks, ramps or any other concrete surface exposed to water, de-icing salts or other destructive substances. Increases the durability of concrete to prolong its life. | Interior  
Exterior  
Horizontal  
Vertical  
Fresh Concrete  
Existing Concrete |
## Construction Liquid Products

### LIN-SEAL WHITE
**Curing and Anti-Spalling Compound**

- **CSI Code:** 03 05 00 Common Work Results in Concrete
- **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 that 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 far 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 <100 g/L.**

<table>
<thead>
<tr>
<th>5 Gallon (18.93 Liter) Pails</th>
<th>55 Gallon (208.20 Liter) Drums</th>
</tr>
</thead>
<tbody>
<tr>
<td>• • • • • • • • • • • • • • • •</td>
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</tbody>
</table>

### LIQUI-HARD
**Concrete Densifier and Chemical Hardener**

- **CSI Code:** 03 05 00 Common Work Results in Concrete
- **Reach the hardening of concrete and prevent entry of moisture and other foreign matter.**
- **Dustproofs 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.**

<table>
<thead>
<tr>
<th>5 Gallon (18.93 Liter) Pails</th>
<th>55 Gallon (208.20 Liter) Drums</th>
</tr>
</thead>
<tbody>
<tr>
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</tbody>
</table>

### 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.**
- **Dustproofs 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 yellow, discolor or show pedestrian or vehicular traffic wear marks.**
- **Improves light reflectance.**
- **May be burnished.**
- **Compatible with BELLATRAX 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 0.00 g/L.**

<table>
<thead>
<tr>
<th>5 Gallon (18.93 Liter) Pails</th>
<th>55 Gallon (208.20 Liter) Drums</th>
</tr>
</thead>
<tbody>
<tr>
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</tbody>
</table>

### DECRA-SEAL W/B
**Non-Yellowing Sealer for Decorative Concrete**

- **CSI Code:** 03 05 00 Common Work Results in Concrete
- **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 soot, 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.**

<table>
<thead>
<tr>
<th>1 Gallon (3.79 Liter) Cans</th>
<th>5 Gallon (18.93 Liter) Pails</th>
</tr>
</thead>
<tbody>
<tr>
<td>• • • • • • • • • • • • • • • •</td>
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</tbody>
</table>
### SEALING COMPOUNDS

| Product Name | **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 | **DECK-O-SHIELD**  
Concrete Deck, Waterfall and Natural Stone Sealer  
CSI Code: 03 05 00 Common  
Work Results in Concrete | **DECK-O-SHIELD PLUS**  
Concrete Deck, Waterfall and Natural Stone Sealer  
CSI Code: 07 19 16 Silane Water Repellents |
| --- | --- | --- |
| **Features/Benefits** | - 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.  
- Dustproofs 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 soot, 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 | - 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 entrainment 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 entrainment 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. |
| **Specifications** | - Dried film is USDA accepted.  
- EPA Architectural Coatings Rule VOC Requirements for Sealers  
- Meets 100 g/L maximum VOC allowed by SCAQMD Rule 1113 | - Concrete properly treated with DECK-O-SHIELD is USDA accepted.  
- Meets 100 g/L maximum VOC content allowed by SCAQMD Rule 1113. | - Complies with all current federal, state, and local maximum allowable VOC requirements, including U.S. EPA, SCAQMD, and OTC.. |
| **Packaging** | - 1 Gallon (3.79 Liter) Containers  
- 5 Gallon (18.93 Liter) Pails | - 1 Gallon (3.79 Liter) Units  
- 5 Gallon (18.93 Liter) Pails | - 1 Gallon (3.79 Liter) Units  
- 5 Gallon (18.93 Liter) Pails |
| **Coverage** | - 300-600 sq. ft./gal. (7.37-14.73 sq. m/L)  
*Coverage may vary due to porosity and condition of the concrete.* | - Natural Stone** 75 – 175 ft²/gal  
- Concrete 100 – 175 ft²/gal  
- Mortar Joint, Concrete & Brick 100 – 175 ft²/gal  
- Masonry 100 – 175 ft²/gal  
*Depends on the stone or material type used. More porous substrates may require an increased dose.*  
*Use in properly vented areas only. Over application may result in more or less coverage.* | - 300 – 475 sq. ft./gal  
*Due to porosity, certain stone and block applications may require a significant increase of the recommended coverage rate.* |
| **Usage** | DECK-O-GRIP W/B is 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. Use on any exterior concrete surface provides a durable, long-lasting finish that has improved resistance to chemicals, oil, grease, de-icing salts and abrasions. | DECK-O-SHIELD weatherproofs 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 weatherproofs 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. |
| **Applications** | | | |
| | **Interior**  | **Horizontal**  | **Vertical**  |
| | | | |
| **Existing Concrete** | | | |
| **Fresh Concrete** | | | |
**Construction Liquid Products**

### INTRAGUARD
**Water-Based, Clear, Penetrating Sealing Compound for Salt Protection**

- **Master Format:** 03 35 00 - Concrete Finishing

**Features:**
- 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.

**Applications:**
- May be used to produce an architectural finish on concrete slabs by exposing the natural color and texture of the aggregate. Exposes the aggregate on floor slabs, sidewalks and tilt-up and pre-cast panels or any normal horizontal concrete application. Produces roughened bonding surfaces for subsequent concrete toppings and roughens horizontal surfaces for construction joints in power plants, dams and other civil engineering projects.

<table>
<thead>
<tr>
<th><strong>Volume</strong></th>
<th><strong>Coverage</strong></th>
<th><strong>Other Information</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Gallon (3.79 Liter) Units</td>
<td>300 – 475 sq. ft./gal</td>
<td>Complies with all current federal, state, and local maximum allowable VOC requirements, including U.S. EPA, LADCO, SCAQM, and OTC. Complies with VOC Concentration Limits for Architectural Coatings Regulations in Canada.</td>
</tr>
<tr>
<td>5 Gallon (18.93 Liter) Pails</td>
<td>500 – 1000 sq. ft./gal</td>
<td></td>
</tr>
<tr>
<td>55 Gallon (208.20 Liter) Drum</td>
<td>500 – 600 sq. ft./gal</td>
<td></td>
</tr>
</tbody>
</table>

**Additional Information:**
- 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.

### BELLATRIX
**Premium Concrete Enhancer**

- CSI Code: 03 05 00 Common Work Results for Concrete

**Features:**
- Complies with all current federal, state, and local maximum allowable VOC requirements, including U.S. EPA, SCAQM, and OTC.
- Complies with Canada VOC Concentration Limits for Architectural Coatings Regulations.
- 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.

**Applications:**
- While originally formulated to be used in conjunction with hardened concrete floor systems, such as W. R. MEADOWS LIQUI-HARD and the INDIANSHINE polished concrete system, BELLATRIX may also be utilized anywhere a clear, high-gloss, dual-action concrete protection system is desired. BELLATRIX is designed for use on previously sealed surfaces, as well as surfaces that have been previously stained or dyed and sealed. (Check compatibility with existing sealer prior to full application.)

<table>
<thead>
<tr>
<th><strong>Volume</strong></th>
<th><strong>Coverage</strong></th>
<th><strong>Other Information</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Gallon (3.79 Liter) Units (4 per Carton)</td>
<td>500 – 1000 sq. ft./gal</td>
<td></td>
</tr>
<tr>
<td>5 Gallon (18.93 Liter) Pails</td>
<td>500 – 600 sq. ft./gal</td>
<td></td>
</tr>
<tr>
<td>55 Gallon (208.20 Liter) Drum</td>
<td>500 – 600 sq. ft./gal</td>
<td></td>
</tr>
</tbody>
</table>

**Additional Information:**
- 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.

### TOP-STOP
**Spray-Applied, Water-Soluble Surface Retarder**

- CSI Code: 03 05 00

**Features:**
- 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.

**Applications:**
- May be used to produce an architectural finish on concrete slabs by exposing the natural color and texture of the aggregate. Exposes the aggregate on floor slabs, sidewalks and tilt-up and pre-cast panels or any normal horizontal concrete application. Produces roughened bonding surfaces for subsequent concrete toppings and roughens horizontal surfaces for construction joints in power plants, dams and other civil engineering projects.

<table>
<thead>
<tr>
<th><strong>Volume</strong></th>
<th><strong>Coverage</strong></th>
<th><strong>Other Information</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Gallon (3.79 Liter) Units</td>
<td>300 – 475 sq. ft./gal</td>
<td></td>
</tr>
<tr>
<td>5 Gallon (18.93 Liter) Pails</td>
<td>500 – 1000 sq. ft./gal</td>
<td></td>
</tr>
<tr>
<td>55 Gallon (208.20 Liter) Drum</td>
<td>500 – 600 sq. ft./gal</td>
<td></td>
</tr>
</tbody>
</table>

**Additional Information:**
- N/A
<table>
<thead>
<tr>
<th>Product Name</th>
<th>DUOGARD® VOC-Compliant Form Release Agent</th>
<th>DUOGARD II Water-Based Form Release Agent</th>
<th>DUOGARD CITRUS Form Release Agent</th>
<th>DUOGARD N.E. Form Release Agent</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSI Code</td>
<td>03 11 00 Concrete Forming</td>
<td>03 11 00 Concrete Forming</td>
<td>03 11 00 Concrete Forming</td>
<td>03 11 00 Concrete Forming</td>
</tr>
</tbody>
</table>

### Features/Benefits

- **DUOGARD® VOC-Compliant Form Release Agent**
  - 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 wood form life... prevents rust... nutproofs metal forms.
  - Minimizes concrete build-up on pavers, R/M trucks, mixers, spreader-finishers, buggies, chutes and other equipment.
  - Prevents bonding between pre-cast 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.

- **DUOGARD II Water-Based Form Release Agent**
  - 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... nutproofs metal forms.
  - Effectively minimizes concrete build-up on pavers, R/M trucks, mixers, spreader-finishers, buggies, chutes and other equipment.
  - Prevents bonding between pre-cast 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.
  - Minimizes surface voids.
  - VOC compliant... actual VOC content is <100 g/L.

- **DUOGARD CITRUS Form Release Agent**
  - 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... nutproofs metal forms.
  - Effectively minimizes concrete build-up on pavers, R/M trucks, mixers, spreader-finishers, buggies, chutes and other equipment.
  - Prevents bonding between pre-cast 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.

- **DUOGARD N.E. Form Release Agent**
  - 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... nutproofs metal forms.
  - Effectively minimizes concrete build-up on pavers, R/M trucks, mixers, spreader-finishers, buggies, chutes and other equipment.
  - Prevents bonding between pre-cast 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 the U.S. EPA Architectural Coatings Rule requirement and is OTC-compliant.

### Specifications

- **DUOGARD® VOC-Compliant Form Release Agent**
  - 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.

- **DUOGARD II Water-Based Form Release Agent**
  - Meets 450 g/L maximum VOC content allowed by the U.S. EPA Architectural Coatings Rule for Form Release Agents.

- **DUOGARD CITRUS Form Release Agent**
  - Meets 250 g/L maximum VOC content as required by OTC VOC regulations recently implemented in the northeastern U.S.

### Packaging

- **DUOGARD® VOC-Compliant Form Release Agent**
  - 5 Gallon (18.9 L) Pails
  - 55 Gallon (208.2 L) Drums

- **DUOGARD II Water-Based Form Release Agent**
  - 5 Gallon (18.9 L) Pails
  - 55 Gallon (208.2 L) Drums

- **DUOGARD CITRUS Form Release Agent**
  - 5 Gallon (18.9 L) Pails
  - 55 Gallon (208.2 L) Drums

### Coverage

- **DUOGARD® VOC-Compliant Form Release Agent**
  - 600 to 1500 sq. ft./gal. (14.7 to 36.8 sq. m/L), depending on the type and porosity of the form surface.

- **DUOGARD II Water-Based Form Release Agent**
  - 600 to 1500 sq. ft./gal. (14.7 to 36.8 sq. m/L), depending on the type and porosity of the form surface.

- **DUOGARD CITRUS Form Release Agent**
  - 600 to 1500 sq. ft./gal. (14.7 to 36.8 sq. m/L), depending on the type and porosity of the form surface.

### Usage

- **DUOGARD® VOC-Compliant Form Release Agent**
  - 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 nutproof film that makes the metal form essentially self-cleaning and rust-free. Minimizes concrete build-up. Will not stain or discolor concrete.

- **DUOGARD II Water-Based Form Release Agent**
  - 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 nutproof 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 prestressed and pre-cast concrete to produce a better and cleaner cast. Will not stain or discolor concrete.

- **DUOGARD CITRUS Form Release Agent**
  - 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 nutproof 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.

- **DUOGARD N.E. Form Release Agent**
  - 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 nutproof 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.

### Applications

- **DUOGARD® VOC-Compliant Form Release Agent**
  - Interior
  - Exterior
  - Vertical
  - Fresh Concrete
  - Existing Concrete

- **DUOGARD II Water-Based Form Release Agent**
  - Interior
  - Exterior
  - Vertical
  - Fresh Concrete
  - Existing Concrete

- **DUOGARD CITRUS Form Release Agent**
  - Interior
  - Exterior
  - Vertical
  - Fresh Concrete
  - Existing Concrete

- **DUOGARD N.E. Form Release Agent**
  - Interior
  - Exterior
  - Vertical
  - Fresh Concrete
  - Existing Concrete
**Construction Liquid Products**

**HYDRASET Calcium Chloride Concrete Set Accelerator**
- CSI Code: 03 05 00 Common Work Results in Concrete

- 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.

<table>
<thead>
<tr>
<th>ASTM C 494, Type C</th>
<th>AASHTO M 194, Type C</th>
<th>Corps of Engineers CRD C 87, Type C</th>
<th>N/A</th>
<th>N/A</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 Gallon (18.9 l) Pails</td>
<td>55 Gallon (208.2 l) Drums</td>
<td>1 Gallon (3.8 l) Units</td>
<td>45 Ounce (139.6 ml) Containers</td>
<td>5 Gallon (18.9 l) Pails</td>
<td>5 Gallon (208.2 l) Drums</td>
</tr>
</tbody>
</table>

Recommended for use during cool and cold weather to accelerate the set time and reduce the risk of frozen mortar and concrete mixes. Can be used any time you want to accelerate the set time to decrease turnaround time.

**HYDRASET-FREE Non-Chloride Concrete Set Accelerator**
- CSI Code: 03 05 00 Common Work Results in Concrete

- 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.
- 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.

<table>
<thead>
<tr>
<th>ASTM C 494, Type C</th>
<th>AASHTO M 194, Type C</th>
<th>Corps of Engineers CRD C 87, Type C</th>
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Recommended for use during cool and cold weather to accelerate the set time and reduce the risk of frozen mortar and concrete mixes. Can be used any time you want to accelerate the set time to decrease turnaround time.

**ULTRITE DEGREASER Heavy-Duty Concrete Degreaser and Stripper**
- CSI Code: 03 01 30.51 Cleaning of Cast-In-Place Concrete

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

<table>
<thead>
<tr>
<th>N/A</th>
<th>N/A</th>
<th>100-200 sq. ft./gal. (2.5-4.9 sq. m/L)</th>
<th>45 Ounce (139.6 ml) Containers</th>
<th>1 Gallon (3.8 l) Units</th>
<th>5 Gallon (18.9 l) Pails</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>N/A</td>
<td>200 - 400 ft²/ gal.</td>
<td>5 Gallon (18.9 l) Pails</td>
<td>5 Gallon (208.2 l) Drums</td>
<td>5 Gallon (208.2 l) Drums</td>
</tr>
</tbody>
</table>

Penetrates concrete surfaces on contact to soften, lift, and remove a wide range of oils, polymers, fats and greases. Removes dirt, tire marks, oil spills, grease and other contaminants. Removes most curing compounds and cures/leaks from concrete floors. Ideal for use in warehouses, industrial plants, food processing plants, schools, automotive plants, parking garages, plazas and service stations - anywhere cleaning and stripping of concrete surfaces is required.

**EVAPRE Evaporation Retardant**
- CSI Code: 03 00 00 Concrete

- 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 finish.
- Reduces wind crusting, stickiness, and sponginess, which often cause poor and uneven surface texture.
- Allows use of low slump and low water to cement ratio concrete.
- Provides smooth and durable concrete finish.
- 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, easy-to-use 45-oz containers.
- VOC compliant ... actual VOC content is 0 g/L.

<table>
<thead>
<tr>
<th>N/A</th>
<th>N/A</th>
<th>45 Ounce (139.6 ml) Containers</th>
<th>1 Gallon (3.8 l) Units</th>
<th>5 Gallon (18.9 l) Pails</th>
<th>5 Gallon (208.2 l) Drums</th>
</tr>
</thead>
</table>

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-PATCH and MEADOW-CRETE lines of repair mortars. Can also be used with condensed silica fume concrete, concrete containing fly ash and most other cementitious products.

**EVAPRE-RTU Ready-to-Use Evaporation Retardant**
- CSI Code: 03 00 00 Concrete

- 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 finish.
- Reduces wind crusting, stickiness, and sponginess, which often cause poor and uneven surface texture.
- Allows use of low slump and low water to cement ratio concrete.
- Provides smooth and durable concrete finish.
- Reduces overall cost because timing of finishing operations is less critical.
- Helps minimize surface cracking due to early water loss of silica fume concrete.
- VOC compliant ... actual VOC content is 0 g/L.

<table>
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<th>N/A</th>
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<th>45 Ounce (139.6 ml) Containers</th>
<th>1 Gallon (3.8 l) Units</th>
<th>5 Gallon (18.9 l) Pails</th>
<th>5 Gallon (208.2 l) Drums</th>
</tr>
</thead>
</table>

Ideal for use as an evaporation retardant for concrete surfaces where the evaporation rate exceeds the rate of bleeding. Can be used with condensed silica fume concrete, concrete containing fly ash and all cementitious products.
| 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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- Parking Decks
- Driveways
- Parking Areas

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