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- Highways
  - Airports
  - Street and Curb Paving
  - Commercial and Industrial Surfaces
  - Sidewalks
  - Patios
  - Parking Decks
  - Driveways
  - Parking Areas



# CONSTRUCTION LIQUIDS

# CONSTRUCTION LIQUIDS

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



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](http://www.wrmeadows.com)
- Contact W. R. MEADOWS, INC. via email: [wrmil@wrmeadows.com](mailto:wrmil@wrmeadows.com)
- Call toll free: 1-800-342-5976
- Fax: 1-847-683-4544



*GreenLine*  
 ENVIRONMENTALLY RESPONSIBLE  
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**W. R. MEADOWS, INC.**  
 P.O. Box 100  
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Whatever your needs...  
**we have the solution.**



# CONSTRUCTION LIQUIDS

**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.**

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. MEADOWS is a member of the United States and Canada Green Building Council (USGBC and CGBC).

## **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, not imitation, 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.

**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:



- 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
- 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:

### **Curing Compounds**

- 1100-CLEAR
- 1200-WHITE
- 1300-CLEAR
- 1600-WHITE
- 2200-WHITE

### **Curing and Sealing Compounds**

- CS-309™-25
- CS-309-25 OTC
- CS-309-30
- CS-309-OTC
- DECK-O-GRIP®
- DECRA-SEAL™
- LIN-SEAL®
- LIN-SEAL EMULSION
- LIN-SEAL WHITE
- SEAL CURE™ 309-25
- SEAL CURE 309-30
- TIAH®
- VOCOMP®-20
- VOCOMP-25
- VOCOMP-30

### **Surface Retarder**

- TOP-STOP™

### **Sealing Compounds**

- DECRA-SEAL W/B
- DECK-O-GRIP W/B
- DECK-O-SHIELD™

### **Curing Aid, Densifier and Hardener**

- MED-CURE™

### **Concrete Densifier and Hardener**

- LIQUI-HARD®

### **Concrete Set Accelerators**

- HYDRASET®
- HYDRASET-FREE®

### **Form Releases**

- DUOGARD®
- DUOGARD II
- DUOGARD CITRUS
- DUOGARD NE

### **Evaporation Retardants**

- EVAPRE™
- EVAPRE-RTU

### **Concrete Cleaning**

- ULTRITE® DEGREASER

In addition to the products listed, **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

| Product Name      |                   | <b>1100-CLEAR<br/>Resin-Based,<br/>Water-Based Concrete<br/>Curing Compound</b><br>CSI Code: 03 39 23<br>Membrane Concrete Curing   | <b>1200-WHITE<br/>Water-Based,<br/>Resin-Based Concrete<br/>Curing Compound</b><br>CSI Code: 03 39 23<br>Membrane Concrete Curing  | <b>1300-CLEAR<br/>Water-Base, Wax-Base<br/>Concrete Curing<br/>Compound</b><br>CSI Code: 03 39 23<br>Membrane Concrete Curing  | <b>1600-WHITE<br/>Water-Based,<br/>Wax-Based Concrete<br/>Curing Compound</b><br>CSI Code: 03 39 23<br>Membrane Concrete Curing  |
|-------------------|-------------------|---|--|--|--|
| Features/Benefits |                   | <ul style="list-style-type: none"> <li>• Produces a nearly impermeable film which optimizes water retention.</li> <li>• Ready to use, water-based.</li> <li>• Produces hard, dense concrete ... minimizes hair-checking, thermal cracking, dusting and other defects.</li> <li>• Seals in the performance assets of strength and long life.</li> <li>• Offers a compressive strength significantly greater than improperly or uncured concrete.</li> <li>• Increases tensile strength.</li> <li>• Improves resistance to abrasion and the corrosive actions of salts and chemicals.</li> <li>• Minimizes excessive shrinkage.</li> <li>• Applies quickly and easily with conventional commercial spray equipment.</li> <li>• Also available with red fugitive dye added.</li> <li>• VOC compliant ... meets U.S. EPA Architectural Coatings Rule requirements.</li> </ul> | <ul style="list-style-type: none"> <li>• Provides a nearly impermeable film which optimizes water retention.</li> <li>• Reflects the sun's rays to keep the concrete surface cooler and prevent excessive heat buildup, which can cause thermal cracking.</li> <li>• Ready to use, water-based.</li> <li>• Produces hard, dense concrete ... minimizes hair-checking, shrinkage, thermal cracking, dusting and other defects.</li> <li>• Seals in the performance assets of strength and long life.</li> <li>• Offers a compressive strength significantly greater than improperly or uncured concrete.</li> <li>• Increases tensile strength for greater resistance to cracking and surface crazing.</li> <li>• Improves abrasion resistance and minimizes corrosive action of salts and chemicals ... minimizes shrinkage.</li> <li>• Applies quickly and easily with conventional, commercial spray equipment.</li> <li>• VOC compliant ... meets U.S. EPA Architectural Coatings Rule requirements.</li> </ul> | <ul style="list-style-type: none"> <li>• Provides a nearly impermeable film which optimizes water retention.</li> <li>• Ready to use, water-based.</li> <li>• Produces hard, dense concrete ... minimizes hair-checking, thermal cracking, dusting and other defects.</li> <li>• Seals in the performance assets of strength and long life.</li> <li>• Offers a compressive strength significantly greater than improperly or uncured concrete.</li> <li>• Increases tensile strength for greater resistance to cracking and surface crazing.</li> <li>• Improves resistance to abrasion and corrosive action of salts and chemicals ... minimizes shrinkage.</li> <li>• Applies quickly and easily with conventional, commercial spray equipment</li> <li>• VOC compliant ... actual VOC content is &lt;100 g/L.</li> </ul> | <ul style="list-style-type: none"> <li>• Provides a nearly impermeable film which optimizes water retention.</li> <li>• Ready to use, water-based compound.</li> <li>• Produces hard, dense concrete ... minimizes hair-checking, shrinkage, thermal cracking, dusting and other defects.</li> <li>• Seals in the performance assets of strength and long life.</li> <li>• Offers a compressive strength significantly greater than improperly or uncured concrete.</li> <li>• Increases tensile strength for greater resistance to cracking and surface crazing.</li> <li>• Improves resistance to abrasion and corrosive action of salts and chemicals... minimizes shrinkage.</li> <li>• Applies quickly and easily with conventional, commercial spray equipment.</li> <li>• VOC compliant ... actual VOC content is &lt;100 g/L.</li> </ul> |
| Specifications    |                   | <ul style="list-style-type: none"> <li>• ASTM C 309, Type 1, Classes A &amp; B (Type 1-D also available)</li> <li>• AASHTO M 148, Type 1, Classes A &amp; B (Type 1-D also available)</li> <li>• Meets 100 g/L maximum VOC content allowed by SCAQMD Rule 1113 (certain series products only)</li> </ul>  | <ul style="list-style-type: none"> <li>• ASTM C 309, Type 2, Class A &amp; B</li> <li>• AASHTO M 148, Type 2, Class A &amp; B</li> <li>• F.A.A. Item P-610-2.11 (e)</li> <li>• Formulated specifically for Federal, State, County and Municipal highway and airport paving projects</li> <li>• Meets 100 g/L maximum VOC content allowed by SCAQMD Rule 1113 (certain series products only)</li> </ul>   | <ul style="list-style-type: none"> <li>• ASTM C 309, Type I, Class A (Type 1-D, also available)</li> <li>• AASHTO M 148, Type I, Class A (Type 1-D, also available)</li> <li>• Meets 100 g/L maximum VOC content allowed by SCAQMD Rule 1113 (certain series products only)</li> </ul>   | <ul style="list-style-type: none"> <li>• ASTM C 309, Type 2, Class A</li> <li>• AASHTO M 148, Type 2, Class A</li> <li>• FAA Spec. Item P-610-2.11 (e)</li> <li>• Meets 100 g/L maximum VOC content allowed by SCAQMD Rule 1113 (certain series products only)</li> </ul>  |
| Packaging         |                   | <ul style="list-style-type: none"> <li>• 5 Gallon (18.93 Liter) Pails</li> <li>• 55 Gallon (208.20 Liter) Drums</li> </ul>  | <ul style="list-style-type: none"> <li>• 5 Gallon (18.93 Liter) Pails</li> <li>• 55 Gallon (208.20 Liter) Drums</li> </ul>   | <ul style="list-style-type: none"> <li>• 5 Gallon (18.93 Liter) Pails</li> <li>• 55 Gallon (208.20 Liter) Drums</li> </ul>   | <ul style="list-style-type: none"> <li>• 5 Gallon (18.93 Liter) Pails</li> <li>• 55 Gallon (208.20 Liter) Drums</li> </ul>   |
| Coverage          |                   | <ul style="list-style-type: none"> <li>• Approximately 200 sq. ft./gal. (4.9 sq. m/L)</li> </ul>  | <ul style="list-style-type: none"> <li>• Approximately 200 sq. ft./gal. (4.9 sq. m/L)</li> </ul>   | <ul style="list-style-type: none"> <li>• Approximately 200 sq. ft./gal. (4.9 sq. m/L)</li> </ul>   | <ul style="list-style-type: none"> <li>• Approximately 200 sq. ft./gal. (4.91 sq. m/L)</li> </ul>  |
| Usage             |                   | Used on both interior and exterior applications where paint, resilient tile or resilient flooring may be applied later.   | 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.  | 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, and street and curb paving - for optimum curing when protection from the sun's heat is desired.  |
| Applications      | Interior          | •   |  | •  |  |
|                   | Exterior          | •   | •  | •  | •  |
|                   | Horizontal        | •   | •  | •  | •  |
|                   | Vertical          | •   |  | •  |  |
|                   | Fresh Concrete    | •   | •  | •  | •  |
|                   | Existing Concrete |   |  |  |  |

# Construction Liquid Products

| CURING COMPOUNDS | CURING AID, DENSIFIER AND HARDENER | CURING AND SEALING COMPOUNDS |  |  |
|------------------|------------------------------------|------------------------------|--|--|
|------------------|------------------------------------|------------------------------|--|--|

| CURING COMPOUNDS  | CURING AID, DENSIFIER AND HARDENER   | CURING AND SEALING COMPOUNDS  |  |   |
|---|--|---|--|---|
| <p style="text-align: center;"><b>2200-WHITE</b><br/><b>Poly-Alphamethylstyrene</b><br/><b>Concrete Curing</b><br/><b>Compound</b></p> <p style="text-align: center;"><b>CSI Code: 03 39 23</b><br/><b>Membrane Concrete Curing</b></p> <ul style="list-style-type: none"> <li>• Ready for use and applied easily.</li> <li>• Excellent moisture retention.</li> <li>• Does not react with the ingredients in Portland Cement concrete.</li> <li>• Poly-Alphamethylstyrene-resin-based.</li> <li>• Furnishes a white-pigmented film, allowing for cooler concrete during the hydration process.</li> <li>• Improved abrasion resistance of concrete surface.</li> <li>• VOC compliant ... meets U.S. EPA Architectural Coatings Rule requirements.</li> </ul> | <p style="text-align: center;"><b>MED-CURE</b><br/><b>Concrete Curing</b><br/><b>Aid &amp; Hardener</b></p> <p style="text-align: center;"><b>CSI Code: 03 05 00 Common</b><br/><b>Work Results in Concrete</b></p> <ul style="list-style-type: none"> <li>• Penetrates to aid curing, as well as to harden concrete in one easy application.</li> <li>• Provides a low maintenance finished surface.</li> <li>• Tint aids in identifying coverage.</li> <li>• Ideal for new or old, interior or exterior, horizontal or vertical concrete surfaces.</li> <li>• Dries fast and may be re-coated if desired.</li> <li>• Application tools may be cleaned with water.</li> <li>• VOC compliant ... actual VOC content is 0 g/L.</li> </ul> | <p style="text-align: center;"><b>CS-309-25</b><br/><b>Non-Yellowing Acrylic</b><br/><b>Curing and Sealing</b><br/><b>Compound</b></p> <p style="text-align: center;"><b>CSI Code: 03 05 00 Common</b><br/><b>Work Results in Concrete</b></p> <ul style="list-style-type: none"> <li>• Provides a totally clear membrane for new or existing concrete that will not yellow.</li> <li>• Provides a tough, durable, uniform, long-lasting film finish on exterior concrete surfaces.</li> <li>• Cures and seals freshly placed concrete simultaneously in one application.</li> <li>• Produces a nearly impermeable seal, yielding optimum moisture retention.</li> <li>• Minimizes hair-checking, cracking, dusting, spalling and other defects common to improperly and uncured concrete.</li> <li>• Provides improved resistance to chemicals, oil, grease, deicing salts and abrasion during construction.</li> <li>• Provides an attractive sheen that enhances the natural appearance of concrete.</li> <li>• Applies easily ... dries quickly.</li> <li>• Permits easy cleanup and housekeeping ... reduces floor maintenance costs.</li> <li>• VOC compliant ... meets U.S. EPA Architectural Coatings Rule requirements.</li> </ul> | <p style="text-align: center;"><b>CS-309-25 OTC</b><br/><b>Non-Yellowing, Acrylic</b><br/><b>Curing and Sealing</b><br/><b>Compound</b></p> <p style="text-align: center;"><b>CSI Code: 03 05 00 Common</b><br/><b>Work Results in Concrete</b></p> <ul style="list-style-type: none"> <li>• Provides a totally clear membrane for new or existing concrete.</li> <li>• Provides a tough, durable, uniform, long-lasting film on exterior concrete surfaces.</li> <li>• Ultraviolet stable; non-yellowing under extreme exposure.</li> <li>• Cures and seals freshly placed concrete simultaneously in one application.</li> <li>• Produces a nearly impermeable seal, yielding optimum moisture retention.</li> <li>• Minimizes hair checking, cracking, dusting, spalling and other defects common to improperly or uncured concrete.</li> <li>• Provides improved resistance to chemicals, oil, grease, deicing salts and abrasion during construction.</li> <li>• Provides a hard, glossy film that enhances the natural appearance of concrete.</li> <li>• Applies easily ... dries quickly for less down time.</li> <li>• Permits easy clean up and housekeeping ... reduces floor maintenance costs.</li> <li>• VOC compliant ... meets the U.S. EPA Architectural Coatings Rule requirements and is OTC-compliant (Ozone Transport Commission).</li> </ul> | <p style="text-align: center;"><b>CS-309-30</b><br/><b>Acrylic, Non-Yellowing</b><br/><b>Curing and Sealing</b><br/><b>Compound</b></p> <p style="text-align: center;"><b>CSI Code: 03 05 00 Common</b><br/><b>Work Results in Concrete</b></p> <ul style="list-style-type: none"> <li>• Provides a totally clear membrane for new and existing concrete that will not yellow.</li> <li>• Provides a tough, non-yellowing, durable, uniform, long-lasting film finish on exterior concrete surfaces.</li> <li>• Cures, hardens, dustproofs and seals freshly placed concrete simultaneously in one application.</li> <li>• Produces a nearly impermeable seal yielding superior moisture retention.</li> <li>• Minimizes hair-checking, cracking, dusting, spalling and other defects common to improperly or uncured concrete.</li> <li>• Provides improved resistance to chemicals, oil, grease, de-icing salts and abrasion during construction.</li> <li>• Provides an attractive sheen that enhances the natural appearance of concrete.</li> <li>• Applies easily ... dries quickly for less downtime.</li> <li>• Permits easy cleanup and housekeeping ... reduces floor maintenance costs.</li> <li>• VOC compliant ... meets U.S. EPA Architectural Coatings Rule requirements.</li> <li>• Minimizes excessive shrinkage.</li> <li>• Increases both compressive and tensile strengths for greater resistance to cracking and surface crazing.</li> </ul> |
| <ul style="list-style-type: none"> <li>• ASTM C 309, Type 2, Class A &amp; B</li> <li>• AASHTO M 148, Type 2, Class A &amp; B</li> <li>• ASTM C 1315, Type II, Class B</li> </ul>   | <ul style="list-style-type: none"> <li>• Meets 100 g/L maximum VOC allowed by SCAQMD Rule 1113</li> <li>• Concrete properly treated with MED-CURE is USDA accepted</li> </ul>  | <ul style="list-style-type: none"> <li>• ASTM C 1315, Type I, Class A</li> <li>• ASTM C 309, Type 1, Classes A &amp; B</li> <li>• AASHTO M 148, Type 1 Classes A &amp; B</li> <li>• Dried film is USDA accepted</li> </ul>  | <ul style="list-style-type: none"> <li>• ASTM C 309, Type 1, Classes A &amp; B</li> <li>• ASTM C 1315, Type I, Class A</li> <li>• AASHTO M 148, Type 1 Classes A &amp; B</li> <li>• Dried film is USDA accepted</li> </ul>   | <ul style="list-style-type: none"> <li>• ASTM C 1315, Type 1, Class A</li> <li>• ASTM C 309, Type 1, Classes A &amp; B</li> <li>• AASHTO M 148, Type 1, Classes A &amp; B</li> <li>• Dried film is USDA accepted</li> </ul>   |
| <ul style="list-style-type: none"> <li>• 5 Gallon (18.93 Liter) Pails</li> <li>• 55 Gallon (208.20 Liter) Drums</li> </ul>  | <ul style="list-style-type: none"> <li>• 5 Gallon (18.93 Liter) Pails</li> <li>• 55 Gallon (208.20 Liter) Drums</li> </ul>   | <ul style="list-style-type: none"> <li>• 1 Gallon (3.79 Liter) Cans (6 per case)</li> <li>• 5 Gallon (18.93 Liter) Pails</li> <li>• 55 Gallon (208.20 Liter) Drums</li> </ul>   | <ul style="list-style-type: none"> <li>• 1 Gallon (3.79 Liter) Cans (6 per case)</li> <li>• 5 Gallon (18.93 Liter) Pails</li> <li>• 55 Gallon (208.20 Liter) Drums</li> </ul>  | <ul style="list-style-type: none"> <li>• 5 Gallon (18.93 Liter) Pails</li> <li>• 55 Gallon (208.20 Liter) Drums</li> </ul>  |
| <ul style="list-style-type: none"> <li>• Approximately 200 sq. ft./gal. (4.91 m/L)</li> </ul>   | <ul style="list-style-type: none"> <li>• Broomed surface: 400 sq.ft./gal. (9.82 sq.m/L)</li> <li>• Troweled surface: 600 sq.ft./gal. (14.73 sq.m/L)</li> </ul>   | <ul style="list-style-type: none"> <li>• 300-600 sq. ft./gal. (7.37-14.73 sq. m./L)</li> </ul>  | <ul style="list-style-type: none"> <li>• 300-600 sq. ft./gal. (7.37-14.73 sq. m./L)</li> </ul>   | <ul style="list-style-type: none"> <li>• 300-600 sq. ft./gal.(7.37-14.73 sq.m./L).</li> </ul>   |
| <p>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.</p>  | <p>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.</p>  | <p>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</p>   | <p>CS-309-25 OTC is 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. CS-309-25 OTC provides an attractive, glossy finish that enhances the natural appearance of the concrete.</p>   | <p>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.</p>  |
| •   | •  | •   | •  | •   |
| •   | •  | •   | •  | •   |
| •   | •  | •   | •  | •   |
| •   | •  | •   | •  | •   |

# Quick Reference Selector for

## CURING AND SEALING COMPOUNDS

| Product Name      |                   | <b>CS-309-OTC</b><br><b>Non-Yellowing, Acrylic Curing and Sealing Compound For Decorative Concrete</b><br>CSI Code: 03 05 00 Common Work Results in Concrete   | <b>DECK-O-GRIP</b><br><b>Non-Yellowing, Acrylic, Slip-Resistant Cure and Seal for Concrete Pool Decks</b><br>CSI Code: 03 39 23 Membrane Concrete Curing   | <b>DECRA-SEAL</b><br><b>Non-Yellowing Acrylic Curing and Sealing Compound for Decorative Concrete</b><br>CSI Code: 03 05 00 Common Work Results in Concrete  | <b>VOCOMP-20</b><br><b>Water-Based Acrylic Curing and Sealing Compound</b><br>CSI Code: 03 05 00 Common Work Results in Concrete  |
|-------------------|-------------------|--|--|--|---|
| Features/Benefits |                   | <ul style="list-style-type: none"> <li>Specifically formulated to enhance the appearance of colored and architectural concrete.</li> <li>Provides a clear, tough, easy-to-clean film which improves abrasion and stain resistance.</li> <li>Ultraviolet stable; non-yellowing under extreme exposure.</li> <li>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.</li> <li>Offers excellent foot or vehicular traffic wearing qualities.</li> <li>Recoat after thorough surface cleaning to restore the original beauty.</li> <li>Applies easily ... dries quickly for less down time.</li> <li>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.</li> <li>VOC compliant ... meets the U.S. EPA Architectural Coatings Rule requirements and is OTC-compliant (Ozone Transport Commission).</li> </ul> | <ul style="list-style-type: none"> <li>Provides a totally clear membrane for new or existing concrete that will not yellow.</li> <li>Seals all concrete surfaces, providing a glossy appearance and easier clean up.</li> <li>Dustproofs concrete with a tough, durable film.</li> <li>Helps minimize spalling of exterior concrete.</li> <li>Provides good blush resistance in damp areas.</li> <li>Applies easily ... dries to the touch in 30 - 60 minutes.</li> <li>Provides a clear, tough film that improves abrasion and stain resistance.</li> <li>Offers improved resistance to rain, sun, freezing temperatures and pool chemicals.</li> <li>Seals and enhances the beauty of many concrete surfaces for years.</li> <li>Offers excellent non-skid foot traffic wearing qualities.</li> <li>Can be recoated after thorough surface cleaning to restore original beauty.</li> <li>VOC compliant ... meets U.S. EPA Architectural Coatings Rule requirements.</li> </ul> | <ul style="list-style-type: none"> <li>Provides a totally clear membrane that will not yellow, for new or existing concrete.</li> <li>Seals all concrete surfaces, providing a glossy appearance and easier clean up.</li> <li>Dustproofs concrete with a tough, durable film.</li> <li>Helps minimize spalling of exterior concrete.</li> <li>Provides good blush resistance in damp areas.</li> <li>Applies easily ... dries to the touch in 30 - 60 minutes.</li> <li>Provides a clear, tough film which improves abrasion and stain resistance.</li> <li>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.</li> <li>Seals and enhances the beauty of many concrete surfaces for years.</li> <li>Can be recoated after thorough surface cleaning to restore original beauty.</li> <li>VOC compliant ... meets U.S. EPA Architectural Coatings Rule requirements.</li> </ul> | <ul style="list-style-type: none"> <li>Ready to use, non-yellowing, water-based, cures and/or seals in one quick and easy application.</li> <li>Minimizes hair-checking, premature cracking, dusting and spalling.</li> <li>Dries quickly on new concrete to a durable, clear sheen finish that protects and enhances the natural appearance of concrete.</li> <li>Ideal for application on interior, exterior, horizontal and vertical concrete surfaces.</li> <li>Resists adhesion of mortar droppings to protect concrete floors during construction ... permits easier cleanup.</li> <li>Tough, durable finish offers improved resistance to chemicals, petroleum and abrasives.</li> <li>Application tools may be cleaned with soap and water.</li> <li>VOC compliant ... actual VOC content is &lt;50 g/L.</li> </ul> |
| Specifications    |                   | <ul style="list-style-type: none"> <li>ASTM C 1315, Type 1, Class A</li> <li>ASTM C 309, Type 1, Classes A &amp; B</li> <li>AASHTO M 148, Type 1, Classes A &amp; B</li> <li>Dried film is USDA accepted</li> </ul>  | <ul style="list-style-type: none"> <li>ASTM C 1315, Type I, Class A</li> <li>ASTM C 309, Type I, Classes A &amp; B</li> <li>AASHTO M 148, Type I, Classes A &amp; B</li> <li>Dried film is USDA accepted</li> </ul>  | <ul style="list-style-type: none"> <li>ASTM C 1315, Type 1, Class A</li> <li>ASTM C 309, Type 1, Class A &amp; B</li> <li>AASHTO M 148, Type 1, Classes A &amp; B</li> <li>Dried film is USDA accepted</li> </ul>  | <ul style="list-style-type: none"> <li>ASTM C 309, Type 1, Classes A &amp; B</li> <li>AASHTO M 148, Type 1, Classes A &amp; B</li> <li>Dried film is USDA accepted</li> <li>Meets 100 g/L maximum VOC allowed by SCAQMD Rule 1113</li> </ul>  |
| Packaging         |                   | <ul style="list-style-type: none"> <li>1 Gallon (3.79 L) Cans</li> <li>5 Gallon (18.93 L) Pails</li> <li>55 Gallon (208.20 L) Drums</li> </ul>   | <ul style="list-style-type: none"> <li>1 Gallon (3.79 Liter) Cans</li> <li>5 Gallon (18.93 Liter) Pails</li> </ul>   | <ul style="list-style-type: none"> <li>1 Gallon (3.79 Liter) Cans</li> <li>5 Gallon (18.93 Liter) Pails</li> </ul>   | <ul style="list-style-type: none"> <li>1 Gallon (3.79 Liter) Units (4 per case)</li> <li>5 Gallon (18.93 Liter) Pails</li> <li>55 Gallon (208.20 Liter) Drums</li> </ul>  |
| Coverage          |                   | <ul style="list-style-type: none"> <li>300-600 ft<sup>2</sup>/gal. (7.37-14.73 m<sup>2</sup>/L), depending on surface finish.</li> <li><i>*Coverage may vary due to porosity and condition of the concrete.</i></li> </ul>   | <ul style="list-style-type: none"> <li>300-600 ft<sup>2</sup>/gal. (7.37-14.73 m<sup>2</sup>/L), depending on surface finish.</li> <li><i>*Coverage may vary due to porosity and condition of the concrete.</i></li> </ul>   | <ul style="list-style-type: none"> <li>300 - 600 ft<sup>2</sup>/gal. (7.37 - 14.73 m<sup>2</sup>/L)</li> </ul>   | <ul style="list-style-type: none"> <li>Approximately 300 sq. ft./gal. (7.36 sq. m<sup>2</sup>/L)</li> </ul>   |
| 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 (dries to a low-medium sheen). (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.  | DECK-O-GRIP is designed for various exterior concrete applications, including swimming pool areas and exposed aggregate.   | 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.  | Cures and/or seals new interior and exterior and vertical and horizontal concrete surfaces. Ideal for application on commercial and industrial floors, sidewalks, basement and garage floors, multi-level parking decks, patios, driveways and parking areas. Dries very quickly to protect and enhance the natural appearance of concrete.   |
| Applications      | Interior          |  |  |  | •   |
|                   | Exterior          | •  | •  | •  | •   |
|                   | Horizontal        | •  | •  | •  | •   |
|                   | Vertical          | •  | •  | •  | •   |
|                   | Fresh Concrete    | •  | •  | •  | •   |
|                   | Existing Concrete | •  | •  | •  | •   |

# Construction Liquid Products

## CURING AND SEALING COMPOUNDS

| <p><b>VOCOMP-25</b><br/> <b>Water-Based Acrylic Concrete Cure &amp; Seal</b><br/>                     CSI Code: 03 05 00 Common Work Results in Concrete</p>  | <p><b>VOCOMP-30</b><br/> <b>Water-Based Acrylic Concrete Curing and Sealing Compound</b><br/>                     CSI Code: 03 05 00 Common Work Results in Concrete</p>  | <p><b>LIN-SEAL</b><br/> <b>Penetrating and Anti-Spalling Compound</b><br/>                     CSI Code: 03 05 00 Common Work Results in Concrete</p>   | <p><b>LIN-SEAL EMULSION</b><br/> <b>Curing and Sealing Compound</b><br/>                     CSI Code: 03 05 00 Common Work Results in Concrete</p>   | <p><b>LIN-SEAL WHITE</b><br/> <b>Curing and Anti-Spalling Compound</b><br/>                     CSI Code: 03 05 00 Common Work Results in Concrete</p>  |
|---|---|---|---|---|
| <ul style="list-style-type: none"> <li>• Ready to use, non-yellowing, water-based, cures and seals concrete in one quick and easy application.</li> <li>• Dries quickly on new concrete to provide a clear, tough, easy-to-clean sheen finish.</li> <li>• Applicable for use on new, old, interior, exterior, horizontal and vertical concrete surfaces.</li> <li>• Offers improved resistance to most chemicals, petroleum, abrasives and mortar droppings.</li> <li>• Application tools can be cleaned with soap and water.</li> <li>• VOC compliant ... actual VOC is &lt;50 g/L.</li> </ul> | <ul style="list-style-type: none"> <li>• Ready to use, non-yellowing, water-based, seals and protects concrete in one quick and easy application</li> <li>• Dries quickly on new concrete to provide a clear, tough, easy-to-clean sheen finish.</li> <li>• For use on new, old, interior, exterior, horizontal and vertical concrete surfaces.</li> <li>• Offers improved resistance to most chemicals, petroleum, abrasives and mortar droppings.</li> <li>• Application tools can be cleaned with soap and water.</li> <li>• VOC compliant ... actual VOC content is &lt;50 g/L.</li> </ul>                                      | <ul style="list-style-type: none"> <li>• Protects concrete surfaces against over-exposure to de-icing salts, water and other destructive materials.</li> <li>• Increases the durability of the concrete.</li> <li>• Reduces spalling and scaling of concrete surfaces.</li> <li>• Treated surfaces are ready for use four hours after application.</li> <li>• Ready to use ... no mixing required.</li> <li>• Seals, protects and extends the life of wood.</li> <li>• Easy to apply ... cleans up quickly with mineral spirits.</li> <li>• VOC compliant.</li> </ul> | <ul style="list-style-type: none"> <li>• Increases durability to extend the useful life of concrete.</li> <li>• Water-based compound.</li> <li>• Ready to use.</li> <li>• Aids in moisture retention.</li> <li>• Quick, easy application.</li> <li>• Prevents scaling and spalling.</li> <li>• Adherence of subsequent paint applications is not affected.</li> <li>• VOC compliant ... actual VOC content is &lt;100 g/L.</li> </ul> | <ul style="list-style-type: none"> <li>• Produces a nearly impermeable film which optimizes water retention.</li> <li>• Reflects the sun's rays to keep the concrete surface cooler and prevent excessive heat buildup, which can cause thermal cracking.</li> <li>• Ready to use, water-based.</li> <li>• Produces hard, dense concrete ... minimizes hair-checking, shrinkage, thermal cracking, dusting and other defects.</li> <li>• Prevents scaling and spalling.</li> <li>• Offers a compressive strength significantly greater than improperly cured concrete.</li> <li>• Increases tensile strength for greater resistance to cracking and surface crazing.</li> <li>• Improves abrasion resistance and minimizes corrosive action of salts and chemicals.</li> <li>• Applies quickly and easily.</li> <li>• VOC compliant ... actual VOC content is &lt;100 g/L.</li> </ul> |
| <ul style="list-style-type: none"> <li>• ASTM C 1315, Type I, Class A</li> <li>• ASTM C 309, Type 1, Classes A &amp; B</li> <li>• AASHTO M 148, Type 1, Classes A &amp; B</li> <li>• Dried film is USDA accepted</li> <li>• Meets 100 g/L maximum VOC allowed by SCAQMD Rule 1113</li> </ul>  | <ul style="list-style-type: none"> <li>• ASTM C 1315, Type I, Class A</li> <li>• ASTM C 309, Type 1, Classes A &amp; B</li> <li>• AASHTO M 148, Type 1, Classes A &amp; B</li> <li>• Dried film is USDA accepted</li> <li>• Meets 100 g/L maximum VOC allowed by SCAQMD Rule 1113</li> </ul>  | <ul style="list-style-type: none"> <li>• AASHTO M 233</li> <li>• Boiled Linseed Oil ... ASTM D 260</li> <li>• Most state specifications for anti-spalling compounds</li> </ul>  | <ul style="list-style-type: none"> <li>• ASTM C 309 Type 1, Classes A &amp; B*</li> <li>• AASHTO M 148 Type 1, Classes A &amp; B*</li> <li>• Numerous State D.O.T. Specifications</li> <li>• Boiled Linseed Oil: ASTM D 260</li> <li>• Fed. Spec. A-A-371</li> <li><i>*With exemption for drying time.</i></li> </ul>   | <ul style="list-style-type: none"> <li>• ASTM C 309, Type 2, Classes A &amp; B*</li> <li>• AASHTO M 148, Type 2, Classes A &amp; B*</li> <li>• Numerous State D.O.T. Specifications</li> <li><i>*With exemption for drying time.</i></li> </ul>   |
| <ul style="list-style-type: none"> <li>• 1 Gallon (3.79 Liter) Units (4 per case)</li> <li>• 5 Gallon (18.93 Liter) Pails</li> <li>• 55 Gallon (208.20 Liter) Drums</li> </ul>  | <ul style="list-style-type: none"> <li>• 1 Gallon (3.79 Liter) Units (4 per case)</li> <li>• 5 Gallon (18.93 Liter) Pails</li> <li>• 55 Gallon (208.20 Liter) Drums</li> </ul>  | <ul style="list-style-type: none"> <li>• 5 Gallon (18.93 Liter) Pails</li> <li>• 55 Gallon (208.20 Liter) Drums</li> </ul>  | <ul style="list-style-type: none"> <li>• 5 Gallon (18.93 Liter) Pails</li> <li>• 55 Gallon (208.20 Liter) Drums</li> </ul>  | <ul style="list-style-type: none"> <li>• 5 Gallon (18.93 Liter) Pails</li> <li>• 55 Gallon (208.20 Liter) Drums</li> </ul>  |
| <ul style="list-style-type: none"> <li>• Broomed surface: Approximately 300 sq. ft./gal. (7.35 sq. m/L)</li> <li>• Troweled surface: Approximately 500 sq. ft./gal. (12.26 sq. m/L)</li> </ul>  | <ul style="list-style-type: none"> <li>• Broomed Surface: Approximately 300 sq. ft./gal. (7.35 sq. m/L)</li> <li>• Troweled Surface: Approximately 500 sq. ft./gal. (12.26 sq. m/L)</li> </ul>  | <ul style="list-style-type: none"> <li>• 300 sq. ft./gal. (7.36 sq. m/L)</li> </ul>   | <ul style="list-style-type: none"> <li>• 300 sq. ft./gal. (7.36 sq. m/L)</li> </ul>   | <ul style="list-style-type: none"> <li>• Approximately 200 sq. ft./gal. (4.91 sq. m/L)</li> </ul>   |
| <p>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.</p>   | <p>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.</p> | <p>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.</p>  | <p>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.</p>   | <p>Ideal for use in preventing the spalling and scaling of concrete surfaces. Use on bridge decks, parking garage decks, ramps and/or any concrete surface exposed to water, de-icing salts or other deleterious materials. Increases the durability of concrete to prolong its life.</p>   |
| <ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>  | <ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>  | <ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>  | <ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>  | <ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>  |

# Quick Reference Selector for

| CURING AND SEALING COMPOUNDS |  |   |   | CONCRETE DENSIFIER & HARDENER  |
|------------------------------|--|---|---|--|
| <b>Product Name</b>          | <b>SEAL CURE™ 309-25 Concrete Curing and Sealing Compound</b><br>CSI Code: 03 05 00 Common Work Results in Concrete  | <b>SEAL CURE 309-30 Concrete Curing and Sealing Compound</b><br>CSI Code: 03 05 00 Common Work Results in Concrete  | <b>TIAH Non-Yellowing Acrylic Curing and Sealing Compound</b><br>CSI Code: 03 05 00 Common Work Results in Concrete   | <b>LIQUI-HARD Concrete Densifier and Chemical Hardener</b><br>CSI Code: 03 05 00 Common Work Results in Concrete   |
| <b>Features/Benefits</b>     | <ul style="list-style-type: none"> <li>Provides an economical, durable, tough, uniform, nearly impermeable, long-lasting film finish on exterior concrete surfaces.</li> <li>Cures, hardens, dustproofs and seals freshly placed concrete simultaneously in one application.</li> <li>Produces a nearly impermeable seal yielding optimum moisture retention.</li> <li>Minimizes hair-checking, cracking, shrinkage, dusting, spalling and other defects common to improperly or uncured concrete.</li> <li>Provides improved resistance to chemicals, oil, grease, de-icing salts and abrasion during construction.</li> <li>Provides an attractive sheen that enhances the natural appearance of concrete.</li> <li>Applies easily ... dries quickly.</li> <li>Permits easy cleanup and housekeeping ... reduces floor maintenance costs.</li> <li>Increases both compressive and tensile strengths for greater resistance to cracking and surface crazing.</li> <li>VOC compliant ... meets U.S. EPA Architectural Coatings Rule requirements.</li> </ul> | <ul style="list-style-type: none"> <li>Provides an economical, durable, tough, uniform, nearly impermeable, long-lasting film finish on exterior concrete surfaces.</li> <li>Cures, hardens, dustproofs and seals freshly placed concrete simultaneously in one application.</li> <li>Produces a nearly impermeable seal yielding superior moisture retention.</li> <li>Minimizes hair-checking, cracking, shrinkage, dusting, spalling and other defects common to improperly or uncured concrete.</li> <li>Provides improved resistance to chemicals, oil, grease, de-icing salts and abrasion during construction.</li> <li>Provides an attractive sheen that enhances the natural appearance of concrete.</li> <li>Applies easily ... dries quickly for less downtime.</li> <li>Permits easy cleanup and housekeeping ... reduces floor maintenance costs.</li> <li>VOC compliant ... meets U.S. EPA Architectural Coatings Rule requirements.</li> <li>Increases both compressive and tensile strengths for greater resistance to cracking and surface crazing.</li> </ul> | <ul style="list-style-type: none"> <li>Applies easily ... dries to the touch in 30-60 minutes.</li> <li>Provides a clear, tough, easy-to-clean film which improves abrasion and stain resistance.</li> <li>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 soot, dust and other pollutants.</li> <li>Excellent foot or vehicular traffic wearing qualities.</li> <li>Can be recoated after thorough surface cleaning to restore original beauty.</li> <li>Concrete can later be painted or covered with resilient flooring or carpeting, if desired.</li> <li>VOC compliant ... meets U.S. EPA Architectural Coatings Rule requirements.</li> </ul> | <ul style="list-style-type: none"> <li>Penetrates deeply into concrete to densify and harden surfaces to prevent entry of moisture and other foreign matter.</li> <li>Dustproofs and improves chemical, petroleum and abrasion resistance of treated surfaces.</li> <li>Forms a permanent, attractive sheen with the ability to polish.</li> <li>Protects against scratching or peeling.</li> <li>Provides tough, protected surface that won't after-yellow, discolor or show pedestrian or vehicular traffic wear marks.</li> <li>Improves light reflectance by producing a smoother, flatter concrete surface.</li> <li>Ready to use and easy to apply.</li> <li>VOC compliant ... 0 g/L.</li> </ul> |
| <b>Specifications</b>        | <ul style="list-style-type: none"> <li>ASTM C 1315, Type I, Class B</li> <li>ASTM C 309, Type 1, Classes A &amp; B</li> <li>AASHTO M 148, Type 1, Classes A &amp; B</li> <li>Dried film is USDA accepted</li> </ul>  | <ul style="list-style-type: none"> <li>ASTM C 1315, Type 1, Class B</li> <li>ASTM C 309, Type 1, Classes A &amp; B</li> <li>AASHTO M 148, Type 1, Classes A &amp; B</li> <li>Dried film is USDA accepted</li> </ul>   | <ul style="list-style-type: none"> <li>ASTM C 309, Type 1, Classes A &amp; B</li> <li>AASHTO M 148, Type 1, Classes A &amp; B</li> <li>ASTM C 1315, Type I, Class A</li> <li>Dried film is USDA accepted</li> </ul>   | <ul style="list-style-type: none"> <li>Concrete properly treated with LIQUI-HARD is USDA accepted.</li> </ul>  |
| <b>Packaging</b>             | <ul style="list-style-type: none"> <li>5 Gallon (18.93 Liter) Pails</li> <li>55 Gallon (208.20 Liter) Drums</li> </ul>   | <ul style="list-style-type: none"> <li>5 Gallon (18.93 Liter) Pails</li> <li>55 Gallon (208.20 Liter) Drums</li> </ul>  | <ul style="list-style-type: none"> <li>1 Gallon (3.79 Liter) Cans</li> <li>5 Gallon (18.93 Liter) Pails</li> <li>55 Gallon (208.20 Liter) Drums</li> </ul>  | <ul style="list-style-type: none"> <li>5 Gallon (18.93 Liter) Pails</li> <li>55 Gallon (208.20 Liter) Drums</li> </ul>   |
| <b>Coverage</b>              | • 300-600 sq. ft./gal. (7.37-14.73 sq. m/L)  | • 300-600 sq. ft./gal. (7.37-14.73 sq. m/L)   | • 300-600 sq. ft./gal. (7.37-14.73 sq. m/L)   | <ul style="list-style-type: none"> <li>Fresh (new) surface: 300 sq. ft./gal. (7.36 sq. m/L)</li> <li>Existing (old) surface: 200 sq. ft./gal. (4.91 sq. m/L)</li> </ul>  |
| <b>Usage</b>                 | 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.  | 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.   | 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 soot, dust and other pollutants.  | Recommended for use wherever hardening, 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 floor traffic areas, such as civic centers, sports arenas, stadiums, hospitals, airports and museums. Can successfully be used in conjunction with shake-on hardeners.   |
| <b>Applications</b>          | <b>Interior</b>  |   |   | •  |
|                              | <b>Exterior</b>  | •   | •   | •  |
|                              | <b>Horizontal</b>  | •   | •   | •  |
|                              | <b>Vertical</b>  | •   | •   | •  |
|                              | <b>Fresh Concrete</b>  | •   | •   | •  |
|                              | <b>Existing Concrete</b>   | •   | •   | •  |

# Construction Liquid Products

## SEALING COMPOUNDS

## SURFACE RETARDERS

**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.
- 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

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

- 1 Gallon (3.79 Liter) Containers
- 5 Gallon (18.93 Liter) Pails

• 300-600 sq. ft./gal. (7.37-14.73 sq. m/L)  
*\*Coverage may vary due to porosity and condition of the concrete.*

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.

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**DECK-O-SHIELD**  
**Concrete Deck, Waterfall**  
**and Natural Stone Sealer**  
**CSI Code: 03 05 00 Common**  
**Work Results in Concrete**

- 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.

- Concrete properly treated with DECK-O-SHIELD is USDA accepted.
- Meets 100 g/L maximum VOC content allowed by SCAQMD Rule 1113.

- 1 Gallon (3.79 Liter) Units
- 5 Gallon (18.93 Liter) Pails

• Natural Stone\*\* 75 -175 ft<sup>2</sup>/gal  
 • Concrete 100 -175 ft<sup>2</sup>/gal  
 • Masonry 100 -175 ft<sup>2</sup>/gal  
 • Stucco Surfaces 60 -100 ft<sup>2</sup>/gal  
 • Concrete Block\*\* 50 -100 ft<sup>2</sup>/gal\*\*

\*\*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 rates - possibly additional applications.

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.

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

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

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

• 300 - 600 ft.<sup>2</sup>/gal. (7.37 - 14.73 m<sup>2</sup>/L)

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.

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**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.

N/A

- 1 Gallon (3.79 Liter) Units (4 per case)
- 5 Gallon (18.93 Liter) Pails

• Approximately one gallon per 150 - 300 ft.<sup>2</sup> to retard the exposed aggregate to a depth of 1/8" - 3/16" (0.32 - 0.48 cm).

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.

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# Quick Reference Selector for

## FORM RELEASES

| Product Name      |                   | <b>DUOGARD®<br/>VOC-Compliant Form Release Agent</b><br>CSI Code: 03 11 00<br>Concrete Forming  | <b>DUOGARD II<br/>Water-Based Form Release Agent</b><br>CSI Code: 03 11 00<br>Concrete Forming  | <b>DUOGARD CITRUS<br/>Form Release Agent</b><br>CSI Code: 03 11 00<br>Concrete Forming   | <b>DUOGARD N.E.<br/>Form Release Agent</b><br>CSI Code: 03 11 00<br>Concrete Forming  |
|-------------------|-------------------|---|---|--|---|
| Features/Benefits |                   | <ul style="list-style-type: none"> <li>Provides a better and cleaner cast when applied on pre-stressed and pre-cast concrete forms.</li> <li>Cuts stripping time to an absolute minimum.</li> <li>Reduces form cleaning and repairing.</li> <li>Increases wood form life ... prevents rust ... rustproofs metal forms.</li> <li>Minimizes concrete build-up on pavers, R/M trucks, mixers, spreader-finishers, buggies, chutes and other equipment.</li> <li>Prevents bonding between poured concrete and the form.</li> <li>Breaks concrete bond between the surface and the form cleanly and effectively ... leaves smooth surface.</li> <li>Will not stain or discolor concrete and can be painted over.</li> <li>Ready to use ... requires no additional mixing.</li> <li>VOC compliant ... meets U.S. EPA Architectural Coatings Rule requirements.</li> </ul> | <ul style="list-style-type: none"> <li>Can be safely used inside or outside.</li> <li>Produces a better and cleaner cast when applied on prestressed and precast concrete forms.</li> <li>Cuts stripping time to an absolute minimum.</li> <li>Reduces form cleaning and repairing.</li> <li>Increases wood form life ... prevents rust ... rustproofs metal forms.</li> <li>Effectively minimizes concrete buildup on pavers, R/M trucks, mixers, spreader-finishers, buggies, chutes and other equipment.</li> <li>Prevents bonding between poured concrete and the form.</li> <li>Breaks concrete bond between surface and form cleanly and effectively ... leaves smooth surface.</li> <li>Will not stain or discolor concrete and can be painted over.</li> <li>Ready to use ... requires no additional mixing.</li> <li>Minimizes surface voids.</li> <li>VOC compliant ... actual VOC content is &lt;100 g/L.</li> </ul> | <ul style="list-style-type: none"> <li>Pleasant citrus scent.</li> <li>Contains no diesel fuel.</li> <li>Produces a better and cleaner cast when applied on pre-stressed and pre-cast concrete forms.</li> <li>Cuts stripping time to an absolute minimum.</li> <li>Reduces form cleaning and repairing.</li> <li>Increases wood form life, prevents rust and rustproofs metal forms.</li> <li>Minimizes concrete build-up on pavers, R/M trucks, mixers, spreader-finishers, buggies, chutes and other equipment.</li> <li>Prevents bonding between poured concrete and form.</li> <li>Breaks concrete bond between surface and form cleanly and effectively ... leaves smooth surface.</li> <li>Will not stain or discolor concrete and can be painted over.</li> <li>Ready to use ... requires no additional mixing.</li> <li>VOC compliant ... meets U.S. EPA Architectural Coatings Rule requirements.</li> </ul> | <ul style="list-style-type: none"> <li>Pleasant citrus scent.</li> <li>Contains no diesel fuel.</li> <li>Produces a better and cleaner cast when applied on prestressed and pre-cast concrete forms.</li> <li>Cuts stripping time to an absolute minimum.</li> <li>Reduces form cleaning and repairing.</li> <li>Increases wood form life, prevents rust and rustproofs metal forms.</li> <li>Minimizes concrete build-up on pavers, R/M trucks, mixers, spreader-finishers, buggies, chutes and other equipment.</li> <li>Prevents bonding between poured concrete and form.</li> <li>Breaks concrete bond between surface and form cleanly and effectively...leaves smooth surface.</li> <li>Will not stain or discolor concrete and can be painted over.</li> <li>Ready-to-use...requires no additional mixing.</li> <li>VOC compliant ... meets the U.S. EPA Architectural Coatings Rule requirement and is OTC-compliant.</li> </ul> |
| Specifications    |                   | <ul style="list-style-type: none"> <li>Meets 450 g/L maximum VOC content allowed by the U.S. EPA Architectural Coatings Rule for Form Release Agents.</li> </ul>  | <ul style="list-style-type: none"> <li>Meets 450 g/L maximum VOC content allowed by the U.S. EPA Architectural Coatings Rule for Form Release Agents.</li> <li>Meets 250 g/L maximum VOC content as required by OTC-VOC regulations recently implemented in the northeastern U.S.</li> </ul>  | <ul style="list-style-type: none"> <li>Meets 450 g/L maximum VOC content allowed by the U.S. EPA Architectural Coatings Rule for Form Release Agents.</li> </ul>   | <ul style="list-style-type: none"> <li>Meets 250 g/L maximum VOC content as required by OTC-VOC regulations recently implemented in the northeastern U.S.</li> </ul>  |
| Packaging         |                   | <ul style="list-style-type: none"> <li>5 Gallon (18.93 Liter) Pails</li> <li>55 Gallon (208.20 Liter) Drums</li> </ul>  | <ul style="list-style-type: none"> <li>5 Gallon (18.93 Liter) Pails</li> <li>55 Gallon (208.20 Liter) Drums</li> </ul>  | <ul style="list-style-type: none"> <li>5 Gallon (18.93 Liter) Pails</li> <li>55 Gallon (208.20 Liter) Drums</li> </ul>   | <ul style="list-style-type: none"> <li>5 Gallon (18.93 L) Pails</li> <li>55 Gallon (208.20 L) Drums</li> </ul>  |
| Coverage          |                   | <ul style="list-style-type: none"> <li>600-1500 sq. ft./gal. (14.7-36.8 sq. m/L), depending on the type and porosity of the form surface.</li> </ul>  | <ul style="list-style-type: none"> <li>600 to 1500 sq. ft./gal. (14.73 to 36.82 sq.m./L), depending on the type and porosity of the form surface.</li> </ul>  | <ul style="list-style-type: none"> <li>600 to 1500 sq. ft./gal. (14.7 to 36.8 sq. m/L), depending on type and porosity of form surface.</li> </ul>   | <ul style="list-style-type: none"> <li>600-1500 ft<sup>2</sup>/gal. (14.7-36.8 m<sup>2</sup>/L), depending on type and porosity of form surface.</li> </ul>   |
| Usage             |                   | <p>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 rustproof film that makes the metal form essentially self-cleaning and rust-free. Minimizes concrete build-up. Will not stain or discolor concrete.</p>  | <p>Can be used on various types of forms (wood, steel, as well as fiberglass, aluminum and 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 rustproof 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 precast concrete to produce a better and cleaner cast. Will not stain or discolor concrete.</p>   | <p>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 rustproof film that makes the metal form essentially self-cleaning and rust-free. Cuts machine clean up 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.</p>   | <p>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 rustproof film that makes the metal form essentially self-cleaning and rust-free. Cuts machine clean up 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.</p>   |
| Applications      | Interior          |   | •   |  | •   |
|                   | Exterior          | •   | •   | •  | •   |
|                   | Horizontal        | •   | •   | •  | •   |
|                   | Vertical          | •   | •   | •  | •   |
|                   | Fresh Concrete    | •   | •   | •  | •   |
|                   | Existing Concrete |   |   |  |   |

# Construction Liquid Products

| CONCRETE SET ACCELERATORS   |  | CONCRETE CLEANING  | EVAPORATION RETARDANTS  |  |
|---|--|--|---|--|
| <p><b>HYDRASET Calcium Chloride Concrete Set Accelerator</b></p> <p>CSI Code: 03 05 00 Common Work Results in Concrete</p>  |  | <p><b>ULTRITE DEGREASER Heavy-Duty Concrete Degreaser and Stripper</b></p> <p>CSI Code: 03 01 30.51 Cleaning of Cast-In-Place Concrete</p>   | <p><b>EVAPRE Evaporation Retardant</b></p> <p>CSI Code: 03 00 00 Concrete</p>   |  |
| <p><b>HYDRASET-FREE Non-Chloride Concrete Set Accelerator</b></p> <p>CSI Code: 03 05 00 Common Work Results in Concrete</p>   |  | <p><b>EVAPRE-RTU Ready-to-Use Evaporation Retardant</b></p> <p>CSI Code: 03 00 00 Concrete</p>   |   |  |
| <ul style="list-style-type: none"> <li>Accelerates initial set time one to three times faster than normal concrete and mortar.</li> <li>Aids in strength development.</li> <li>Speeds up hydration of cement.</li> <li>Increases workability of concrete or mortar mix in colder temperatures.</li> <li>Speeds construction due to reduced setting and curing time.</li> <li>Allows earlier removal of concrete forms or other protection.</li> <li>Permits earlier finishing.</li> <li>VOC compliant ... meets U.S. EPA Architectural Coatings Rule requirements.</li> </ul> | <ul style="list-style-type: none"> <li>Accelerates initial set time one to three times faster than normal for concrete and mortar.</li> <li>Aids in strength development.</li> <li>Speeds up hydration of cement.</li> <li>Increases workability of concrete or mortar.</li> <li>Speeds construction due to reduced setting and curing time.</li> <li>Allows earlier removal of concrete forms or other protection.</li> <li>Permits earlier finishing.</li> <li>VOC compliant ... meets U.S. EPA Architectural Coatings Rule requirements.</li> </ul> | <ul style="list-style-type: none"> <li>Both a stripper and a degreaser.</li> <li>Ready and easy to use full-strength directly from the container.</li> <li>Biodegradable.</li> </ul>   | <ul style="list-style-type: none"> <li>Significantly reduces plastic shrinkage and cracking caused by evaporation in low humidity, high temperatures and high winds.</li> <li>Allows use of lower slump and lower water to cement ratio concrete.</li> <li>Provides smooth and durable concrete flatwork.</li> <li>Reduces wind crusting, stickiness, and sponginess, which often cause poor and uneven surface texture.</li> <li>Allows finishing crews to adhere to established schedules.</li> <li>Reduces overall cost because timing of finishing operations is less critical.</li> <li>Helps minimize surface cracking due to early water loss of silica fume concrete.</li> <li>Available in exclusive, easy-to-use 45-oz containers.</li> <li>VOC compliant ... actual VOC content is 0 g/L.</li> </ul> | <ul style="list-style-type: none"> <li>Significantly reduces plastic shrinkage and cracking caused by evaporation in low humidity, high temperatures and high winds.</li> <li>Allows use of lower slump and lower water to cement ratio concrete.</li> <li>Provides smooth and durable concrete flatwork.</li> <li>Reduces wind crusting, stickiness, and sponginess, which often cause poor and uneven surface texture.</li> <li>Allows finishing crews to adhere to established schedules.</li> <li>Reduces overall cost because timing of finishing operations is less critical.</li> <li>Helps minimize surface cracking due to early water loss of silica fume concrete.</li> <li>VOC compliant ... actual VOC content is 0 g/L.</li> </ul> |
| <ul style="list-style-type: none"> <li>ASTM C 494, Type C</li> <li>AASHTO M 194, Type C</li> <li>Corps of Engineers CRD C 87, Type C</li> </ul>   | <ul style="list-style-type: none"> <li>ASTM C 494, Type C</li> <li>AASHTO M 194, Type C</li> <li>Corps of Engineers CRD C 87, Type C</li> </ul>  | N/A  | N/A   | N/A  |
| <ul style="list-style-type: none"> <li>5 Gallon (18.93 Liter) Pails</li> <li>55 Gallon (208.20 Liter) Drums</li> </ul>  | <ul style="list-style-type: none"> <li>5 Gallon (18.93 Liter) Pails</li> <li>55 Gallon (208.20 Liter) Drums</li> </ul>   | <ul style="list-style-type: none"> <li>1 Gallon (3.8 Liter) Units</li> <li>5 Gallon (18.93 Liter) Pails</li> <li>55 Gallon (208.20 liters) Drums</li> </ul>  | <ul style="list-style-type: none"> <li>45 Ounce (1596.9 cm<sup>3</sup>) Containers</li> <li>1 Gallon (3.8 Liter) Units</li> <li>5 Gallon (18.93 Liter) Pails</li> <li>55 Gallon (208 Liter) Drums</li> </ul>  | <ul style="list-style-type: none"> <li>5 Gallon (18.9 liter) Pails</li> <li>55 Gallon (208 liter) Drums</li> </ul>   |
| N/A   | N/A  | 100-200 sq. ft./gal. (2.5 - 4.9 sq. m/L)   | One gallon (3.8 liters) mixed with nine gallons (34.2 liters) of water will cover 2000 - 4000 ft.2 (50 - 100 m <sup>2</sup> /L).  | 200 - 400 ft <sup>2</sup> / gal.   |
| 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.  | 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.   | 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 cure/seals 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. | 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 <sup>®</sup> and MEADOW-CRETE <sup>®</sup> lines of repair mortars. Can also be used with condensed silica fume concrete, concrete containing fly ash and most other cementitious products.  | 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.   |
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| •   | •  | •  | •   | •  |
| •   | •  | •  | •   | •  |
| •   | •  | •  | •   | •  |
| •   | •  | •  | •   | •  |