



CREATING A CLEANER, SAFER, HEALTHIER WORLD.

COATINGS



# Cementitious Urethane Resurfacers

THE PROVEN SOLUTION™ FOR FOOD AND BEVERAGE PLANTS

- **ADVANCE YOUR SUSTAINABILITY GOALS** – resins are 20% plant-based; less packaging reduces waste
- **LEED® Credit** – LEED Green Building Certification Program credits may be available:
  - Indoor Environmental Quality
    - 4.2 Low-Emitting Materials, Paint and Coatings
  - Material and Resource
    - 6.0 Rapidly Renewable Materials
- **EXTREME THERMAL STABILITY** – Formulated to withstand temperature variations from -330°F to +240°F
- **SEAMLESS** – Does not promote bacterial growth



# CHEMICAL RESISTANCE PROPERTIES

|                                       |                                             | All Eco-CUR Products | Eco-HTS 100 w/color |
|---------------------------------------|---------------------------------------------|----------------------|---------------------|
|                                       |                                             | 1 / 7 day(s)         |                     |
| Acids, Inorganic                      | 10% Hydrochloric Acid                       | G / G                | E / E               |
|                                       | 30% Hydrochloric Acid (Muriatic)            | G / G                | F / P               |
|                                       | 10% Nitric Acid                             | G / G                | E / F               |
|                                       | 50% Phosphoric Acid                         | G / G                | G* / G*             |
|                                       | 10% Sulfuric Acid                           | G* / G*              | E / E               |
|                                       | 37% Sulfuric Acid (Battery Acid)            | G* / G*              | G* / G*             |
| Acids, Organic                        | 10% Acetic Acid                             | G / G                | E / F               |
|                                       | 10% Citric Acid                             | G* / G*              | E / E               |
|                                       | 50% Citric Acid                             | G / G                | E / E               |
|                                       | Glacial Acetic Acid                         | G / P                | P / P               |
|                                       | Lactic Acid 88%                             | G* / G               | G / P               |
|                                       | Oleic Acid                                  | E / G*               | E / E               |
| Alkalies                              | 10% Ammonium Hydroxide                      | E / E                | E / E               |
|                                       | 50% Sodium Hydroxide                        | E / E                | E / E               |
| Solvents (Alcohols)                   | 30% Ammonium Hydroxide                      | E / G*               | E / E               |
|                                       | Ethylene Glycol (Antifreeze)                | E / E                | E / E               |
|                                       | Isopropyl Alcohol                           | G* / G*              | G / G               |
| Solvents (Aliphatic)                  | Methanol                                    | G* / G               | F / P               |
|                                       | d-Limonene                                  | E / E                | E / E               |
|                                       | Jet Fuel (JP-4)                             | E / E                | E / E               |
|                                       | Gasoline                                    | E / E                | G / G               |
| Solvents (Aromatic)                   | Mineral Spirits                             | E / E                | E / E               |
|                                       | Xylene                                      | E / E                | E / E               |
| Solvents (Chlorinated)                | Methylene Chloride                          | P / P                | P / P               |
| Solvents (Ketones & Esters)           | Methyl Ethyl Ketone (MEK)                   | G / P                | F / P               |
|                                       | Propylene Glycol Methyl Ether Acetate (PMA) | G* / G               | E / G*              |
| Miscellaneous Chemicals               | 20% Ammonium Nitrate                        | G / G                | E / E               |
|                                       | Brake Fluid                                 | E / G                | E / E               |
|                                       | Bleach                                      | G* / G*              | E / E               |
|                                       | Motor Oil (SAE 30)                          | E / E                | E / E               |
|                                       | Skydrol® 500B                               | E / E                | E / E               |
|                                       | Skydrol® LD4                                | E / G*               | E / E               |
|                                       | 20% Sodium Chloride                         | E / E                | E / E               |
|                                       | 1% Tide® Laundry Soap                       | E / E                | E / E               |
|                                       | 10% Trisodium Phosphate                     | E / E                | E / E               |
|                                       | Castor Oil                                  | E / E                | E / E               |
|                                       | Vegetable Shortening                        | E / E                | E / E               |
|                                       | Water                                       | E / E                | E / E               |
|                                       | High Fructose Corn Syrup                    | E / E                | E / E               |
|                                       | Hydrogen Peroxide                           | G* / G*              | E / E               |
|                                       | White Wine                                  | G / G                | E / E               |
|                                       | Red Wine                                    | G* / G*              | G* / G              |
|                                       | Vodka                                       | E / E                | G / G               |
|                                       | Ketchup                                     | G / G*               | E / G*              |
|                                       | Mustard                                     | G* / G*              | G / G               |
|                                       | Coffee                                      | G* / G*              | G* / G*             |
| Coke®                                 | E / G*                                      | E / E                |                     |
| Fish Oil                              | E / E                                       | E / E                |                     |
| Dish Liquid Hand Soap (Full Strength) | G* / G*                                     | E / E                |                     |
| Octave™ FS Sanitizer                  | G / G                                       | G* / P               |                     |

Registered trademarks: Tide® of Procter and Gamble, Skydrol® of Solutia, Inc., Octave™ of Ecolab® and Coke® of Coca-Cola Co.

Based on 1-day and 7-day spot testing on concrete. Coating cured 2 weeks prior to testing.

E = Excellent (No Adverse Effect) – Recommended

G = Good (Limited Adverse Effect) – Use for short-term exposure only. \*Only adverse effect was staining.

F = Fair (Moderate Adverse Effect) – Not recommended.

P = Poor (Unsatisfactory) – Little or no resistance to chemical.

NOTE: Reduced chemical resistance and staining is possible in pigmented versions of the system.

# PHYSICAL/PERFORMANCE PROPERTIES

| SYSTEM PROPERTIES (LIQUID)                                                                                                           | Test Method      | Eco-CUR™-C/Eco-CUR™-F/Eco-CUR™-G/<br>Eco-CUR™-T/Eco-CUR™-W<br>Results                                 |
|--------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------------------------|
| Volatile Organic Compound (VOC)                                                                                                      | ASTM D3960       | Mixed A+B+C = <0.04 lb/gal (<5 g/L)                                                                   |
| Abrasion Resistance                                                                                                                  |                  |                                                                                                       |
| Taber Abraser CS-17 Taber Abrasion Wheel, 1,000 gram load, 1,000 revolutions                                                         | ASTM D4060       | 100 (Eco-CUR-C/Eco-CUR-T/Eco-CUR-W) 115 (Eco-CUR-F/Eco-CUR-G)                                         |
| Adhesion to Concrete                                                                                                                 | ASTM D4541       | 732 psi (4.48 MPa) (concrete failed)                                                                  |
| Adhesion to Concrete                                                                                                                 | ASTM D7234       | 450 psi (3.10 MPa) (concrete failed)                                                                  |
| Coefficient of Friction – COF, James Friction Tester                                                                                 | ASTM D2047       | Greater than 0.60                                                                                     |
| Wet Static Coefficient of Friction, BOT 3000                                                                                         | ANSI/NFSI B101.1 | 0.99                                                                                                  |
| Coefficient of Linear Thermal Expansion                                                                                              | ASTM C531        | 1.71 x 10 <sup>-5</sup> in/in/°F                                                                      |
| Compressive Strength                                                                                                                 | ASTM C579        | 7500-8500 psi (52-59 MPa) – (Eco-CUR-C/Eco-CUR-T/Eco-CUR-W) 8500 psi (59 MPa) – (Eco-CUR-F/Eco-CUR-G) |
| Flammability                                                                                                                         | ASTM D635        | Self-extinguishing                                                                                    |
| Flexural Strength                                                                                                                    | ASTM C580        | 1,500 psi (10.34 MPa)                                                                                 |
| Flexural Modulus                                                                                                                     | ASTM C580        | 617,000 psi (4254.1 MPa)                                                                              |
| Impact Resistance                                                                                                                    | ASTM D2794       | 160 inch-pounds - no delamination or chipping                                                         |
| Tested on concrete block Resistance to Yellowing                                                                                     |                  |                                                                                                       |
| As measured using ASTM D2244 after 1000 consecutive hours UV exposure in QUV                                                         | ASTM G154        | <10 increase of yellow units (CIE Lab Δb)*                                                            |
| Tensile Strength                                                                                                                     | ASTM C307        | 700 psi (4.83 MPa)                                                                                    |
| Tensile Strength                                                                                                                     | ASTM D2370       | 6,250 psi (43.09 MPa)*                                                                                |
| Percent Elongation                                                                                                                   | ASTM D2370       | 6%*                                                                                                   |
| Thermal Stability / Heat Resistance                                                                                                  | MIL-D-3134J      | No slip, flow, no softening or change in appearance                                                   |
| Tested on concrete block Thermal Shock Resistance                                                                                    | Section 4.6.3    |                                                                                                       |
| 20-thermal shock cycles with system on concrete block, surface chilled with ice water followed by immediate shock with boiling water | Internal Test    | No cracking, blistering or loss of adhesion to substrate                                              |
| Water Absorption, 24-hour immersion                                                                                                  | ASTM C413        | Less than 0.1%                                                                                        |

Testing performed at ambient conditions unless stated otherwise. \*Results with optional Eco-HTS™ 100 Topcoat

## APPLICATION CHARACTERISTIC PROPERTY

|                                                                                                  | Eco-CUR-F Results      | Eco-CUR-T Results     | Eco-CUR-W Results     | Eco-CUR-G Results      | Eco-CUR-C Results                 |
|--------------------------------------------------------------------------------------------------|------------------------|-----------------------|-----------------------|------------------------|-----------------------------------|
| Application Thickness, inches (mm) / Coverage Rate, ft <sup>2</sup> (m <sup>2</sup> ), 2-bag mix | 1/4" (6.35)/ 45.5 (42) | 1/4" (6.35)/ 38 (3.5) | 1/4" (6.35)/ 36 (3.3) | 1/8" (3.18)/ 75 (6.96) | –                                 |
| Application Thickness, inches (mm) / Coverage Rate, lineal feet (lineal meters), 2-bag mix       | 3/8" (9.53)/ 36 (3.3)  | 3/8" (9.53)/ 28 (2.6) | 3/8" (9.53)/ 26 (2.4) | –                      | 4" (101.6) cove height/ 60 (18.3) |

Specifications subject to change without notice.

## OPTIONAL COLORS

These colors are close approximations and textures may vary. Eco-CUR-F is available with broadcast option.



## FOR FIRST IMPRESSIONS THAT LAST™

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