



CREATING A CLEANER, SAFER, HEALTHIER WORLD.

COATINGS



# Eco-MPE™

MULTI-PURPOSE EPOXY FOR USE AS A PRIMER, BROADCAST OR BUILD COAT

- **LEED®** – LEED green building certification program credits available:
  - Indoor Environmental Quality
  - 4.2 Low-Emitting Materials, Paint and Coatings
- **LOW ODOR FORMULA** – Works perfectly around odor-sensitive stock and environments
- **EASY TO USE** – Self-leveling formula allows easy application



T16

Tennant Company is a world leader in indoor and outdoor environmental cleaning solutions and floor and wall coatings.

## CHEMICAL RESISTANCE PROPERTIES

|                             |   | 1 day | 7 day |
|-----------------------------|---|-------|-------|
| Acids, Inorganic            | 10% Hydrochloric Acid                       | E     | E     |
|                             | 30% Hydrochloric Acid (Muriatic)            | E     | G     |
|                             | 10% Nitric Acid                             | E     | G     |
|                             | 50% Phosphoric Acid                         | F     | F     |
|                             | 37% Sulfuric Acid (Battery Acid)            | G     | G     |
| Acids, Organic              | 10% Acetic Acid                             | G     | F     |
|                             | 10% Citric Acid                             | G     | G     |
|                             | Oleic Acid                                  | G     | F     |
| Alkalies                    | 10% Ammonium Hydroxide                      | E     | E     |
|                             | 50% Sodium Hydroxide                        | E     | E     |
| Solvents (Alcohols)         | Ethylene Glycol (Antifreeze)                | E     | G     |
|                             | Isopropyl Alcohol                           | F     | P     |
|                             | Methanol                                    | F     | F     |
| Solvents (Aliphatic)        | d-Limonene                                  | G     | G     |
|                             | Jet Fuel (JP-4)                             | E     | E     |
|                             | Gasoline                                    | G     | G     |
|                             | Mineral Spirits                             | E     | E     |
| Solvents (Aromatic)         | Xylene                                      | F     | F     |
| Solvents (Chlorinated)      | Methylene Chloride                          | P     | P     |
| Solvents (Ketones & Esters) | Methyl Ethyl Ketone (MEK)                   | P     | P     |
|                             | Propylene Glycol Methyl Ether Acetate (PMA) | F     | F     |
|                             |   |       |       |
| Miscellaneous Chemicals     | 20% Ammonium Nitrate                        | E     | E     |
|                             | Brake Fluid                                 | F     | F     |
|                             | Bleach                                      | E     | E     |
|                             | Motor Oil (SAE30)                           | E     | E     |
|                             | Skydrol® 500B                               | F     | F     |
|                             | Skydrol® LD4                                | F     | F     |
|                             | 20% Sodium Chloride                         | E     | E     |
|                             | 1% Tide® Laundry Soap                       | E     | E     |
|                             | 10% Trisodium Phosphate                     | E     | E     |

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

Registered trademarks: Tide® of Procter and Gamble, Skydrol® of Solutia, Inc.

E = Excellent (No Adverse Effect) F = Fair (Moderate Adverse Effect)  
G = Good (Limited Adverse Effect or Staining) P = Poor (Unsatisfactory)

## PHYSICAL/ PERFORMANCE PROPERTIES

### MATERIAL PROPERTIES (LIQUID)

| Property                                     | Test Method | Results  |
|--|-------------|--|
| Flash Point, °F (°C)                         | ASTM D3278  | Part A: >200 (93)<br>Part B: >200 (93)                         |
| Seta Closed Cup                              |             |  |
| Percent Solids, by weight                    | ASTM D2369  | Part A: 99.4<br>Part B: 99.8                                   |
| Density, lb/gal (kg/L)                       | ASTM D1475  | Part A: 9.22 (1.11)<br>Part B: 8.39 (1.00)<br>A/B: 8.94 (1.07) |
| Shelf Life                                   |             | 2 years  |
| Viscosity, cps                               | ASTM D2196  | Part A: 700-1,000<br>Part B: 350-550<br>A/B: 500-700           |
| Brookfield                                   |             |  |
| Volatile Organic Compound (VOC) lb/gal (g/L) | ASTM D3960  | Mixed A+B: 0.04 (4)  |

### CURED COATING PROPERTIES (DRY FILM)

| Property                        | Test Method | Results                         |
|---------------------------------|-------------|---------------------------------|
| Abrasion Resistance, mg loss    | ASTM D4060* | 83.1                            |
| Taber Abraser                   |             |                                 |
| Coefficient of Friction**       | ASTM D2047  | 0.59-0.62                       |
| James Friction Tester           |             |                                 |
| Compression Strength, psi (MPa) | ASTM D695   | 13,500 (93.08)                  |
| Tensile Strength, psi (MPa)     | ASTM D2370  | 8,000 (55.16)                   |
| Percent Elongation              | ASTM D2370  | 5                               |
| Shore D Hardness                | ASTM D2240  | 80-85 @ 0 sec<br>75-80 @ 15 sec |

UV/Light Stability Will yellow or amber over time

\*CS-17 Taber Abrasion Wheel, 1,000 gram load, 1,000 revolutions.

\*\*To improve traction in slip hazard areas, use Tennant 292 Grit. See 292 Grit Product Bulletin for more information.

### APPLICATION CHARACTERISTICS

















| Property   | Results           |
|--|-------------------|
| Coverage Rate, ft <sup>2</sup> /gal (m <sup>2</sup> /3.78 L) | 55-535 (5.1-49.7) |
| Application Thickness, wet/dry mils (mm)                     | 3-30 (0.08-0.76)  |

Testing performed at ambient conditions unless stated otherwise.

Specifications subject to change without notice.

## COLORANTS

These colors are close approximations; please contact Tennant for product samples.  
Custom colors are also available. See product bulletin for any restrictions on colorant use.

|   |   |   |  |   |   |   |   |
|---|---|---|--|---|---|---|---|
|  |  |  |  |  |  |  |  |
| WHITE / WHITE 100   | BLACK / BLACK 100   | LIGHT GRAY  | CANADA GRAY  | MEDIUM GRAY*  | BATTLESHIP GRAY*  | SANDY BEIGE   | YELLOW / YELLOW 100   |
|  |  |  |  |  |  |  |  |
| TILE RED  | ROTUNDA RED   | IVY GREEN   | SMOKE BLUE   | REGAL BLUE  | LIGHT GRAY 100  | CANADA GRAY 100   | MEDIUM GRAY 100*  |

\*Due to possible color inconsistencies, colorants Battleship Gray, Medium Gray and Medium Gray 100 are only recommended if topcoated with a urethane.

## FOR FIRST IMPRESSIONS THAT LAST™

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