

### DESCRIPTION:

Fluid Floors SEAL GARD LV Coating is a high performance amine cured epoxy floor coating system. It provides a high build and extremely high wear resistant top coat. This 100% solid product boasts self leveling properties and blush resistance. With a specific formula geared to resist chlorinated solvents such as Trichlorethylene and Perchloroethylene, This epoxy floor coating cures under cool damp conditions with a recommended mil thickness of 20-30 mil.

### RECOMMENDED USES:

Fluid Floors Seal Gard LV is ideally suited for coating floor areas such as:

- Drycleaners
- Chemical process areas
- Food and beverage processing plants
- Breweries
- Solvent troughs

### FEATURES:

- 100% Solid
- USDA Approved
- Excellent all-around resistance to chemicals (acids, alkalis and solvents)
- Low viscosity
- Self leveling properties
- Readily cures with short dust-dry time even at low temperatures
- Excellent surface appearance
- Good flexibility with high friction properties
- Easily squeegeed or roller applied

### PRODUCT CHARACTERISTICS:

- Color (mixed) *Pebble & Concrete Gray*
- Viscosity (mixed) *2500 cps*
- Pot life (77°F) *30 min.*
- Shelf Life *Minimum one year if kept tightly sealed.*
- Packaging *One & 5 gallon units*
- Yield *80 sq. ft. / gallon at 20 mils (recommended minimum) Estimates may vary according to conditions of surface.*
- Drying time *24 hrs. 75°F (lightraffic)  
48 hrs. 75°F (heavy traffic)*

### TYPICAL PROPERTIES:

- Flexural Strength *14,900 psi*
- Tensile Strength *9,900 psi*
- Elongation *8%*
- Compressive Strength *12,200 psi*
- Heat Distortion *147°F*
- Temperature Limit *180°F*
- Chemical Resistance *Refer to chart*

### SURFACE PREPARATION

For Steel Surface - Remove oil with degreaser solvents or detergent prior to surface preparation. For best results, sandblast all metal surfaces. Remove all sand and dust from surface. Surface should be dry.

For Concrete Surface - Remove all oil, dirt, and contaminates. Sandblast, acid etch, or mechanically remove laitance from surface. Acid washes should be thoroughly rinsed and neutralized. Surface should be dry and free of dust. Fluid Floors 1000 or B1 is recommended as a primer. Note: Under certain conditions hydrostatic pressure may exist in concrete flooring. This phenomena is usually related to sudden rises in water tables (heavy rains), which can cause severe bubbling and poor adhesion of applied coatings. This situation is best approached by scheduling coating applications during extended periods of dry weather.

### APPLICATION

1. Add component B to component A; mix thoroughly for at least 3 minutes. For best results, use a drill motor I mechanical mixing paddle operated at low speed.
2. Using a squeegee or roller, spread a full even coat of Fluid Floors Seal Gard LV Coating onto surface.
3. When used as a non-skid coating, broadcast non-skid material onto coating while still tacky. Consult Fluid Floors technical representative for material recommendations. Because of the self-leveling and rheological characteristics of Seal Gard LV, it is not recommended to use sand aggregates as a nonskid broadcast. These materials will not float on the surface, which will affect product performance and also produce inconsistent shadowing.
4. Use Pilgrim No.5 Cleaner for cleaning tools and equipment soon after use. Do not use solvents on hands or other parts of body. Clean hands and other exposed areas with soap and water.

### FOR INDUSTRIAL USE ONLY

READ MSDS BEFORE USE

1. Do not thin with solvents.
2. Do not apply in temperatures below 45°F.
3. Cracks and damaged concrete should be repaired prior to application.
4. Floor surface must be structurally sound and free from hydrostatic pressure, contaminants, curing compounds or other materials which may prevent proper adhesion.

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# Chemical Resistance\*

Cure Schedule: 7 days @ 78°F  
Immersion Time: 3 weeks

% weight gain or loss

## SOLVENTS

|                       |     |
|-----------------------|-----|
| Xylene                | 2.1 |
| Trichlorethylene      | 0.2 |
| Perchlorethylene      | 0.1 |
| Gasohol               | 0.3 |
| MEK                   | 7.7 |
| Ethyl Alcohol         | 3.2 |
| Methyl Alcohol        | 2.3 |
| Skydrol               | 0.1 |
| Water                 | 0.2 |
| 5% Detergent Solution | 0.2 |

## ACIDS

|                       |     |
|-----------------------|-----|
| 10% Sodium Hydroxide  | 0.6 |
| 50% Sodium Hydroxide  | 0   |
| 10% Sulfuric Acid     | 1.5 |
| 50% Sulfuric Acid     | 0.1 |
| 10% Hydrochloric Acid | 0.9 |
| 20% Nitric Acid       | 1.5 |
| 10% Acetic Acid       | 4.8 |

# Heat Resistance\*

## HDT - 147°F

Figures reflect prolonged exposure: These materials can be used in higher heat applications where only incidental exposure occurs. The heat resistance of Seal Gard LV is dependent upon its cure cycle. The higher the cure temperature, the better its resistance. This is due to the post cure characteristics of the system.

\*Tests were carried out on discs 1.75" in diameter and approximately 0.2" thick. 'D' indicates that the specimen partially disintegrated. Values are rounded to the nearest decimal.

The Stoichiometric ratios of this resin & hardener system are critical to achieving optimum mechanical properties. Any variance in these ratios will compromise performance.

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