

### PRODUCT DESCRIPTION

Res-Tek ISO-Guard™ ISO-101 is a high-solids, high-performing polyaspartic engineered for demanding industrial flooring applications. Available in a clear finish or can be pigmented.

ISO-101 is a fast-cure coating with a high-gloss finish with UV stability, suitable for both interior and exterior applications. It can be used as a binder, body layer, or topcoat. This product should be used when quick return to service, low VOC's and UV stability are required.

### TYPICAL USES

- Warehouse traffic areas
- Aircraft hangars
- Manufacturing facilities
- Retail sales spaces
- Laboratories
- Dining areas
- Restrooms
- Food and Beverage

### PROPERTIES

- Excellent resistance to staining and chemicals, such as acids, alkalis, and solvents
- High Solids
- UV stable
- Excellent color stability
- High abrasion resistance
- Seamless
- Nonporous
- Self leveling properties
- Durable and low maintenance
- High gloss finish
- Quick return to service

### PHYSICAL CHARACTERISTICS

|                                              |               |                                       |         |
|----------------------------------------------|---------------|---------------------------------------|---------|
| <b>Viscosity (ASTM D2196 cPs)(mixed):</b>    | 550           | <b>Volume Solids (%):</b>             | 98%     |
| <b>Density (ASTM D1475, lbs/gal)(mixed):</b> | 9.07          | <b>VOC (g/L):</b>                     | <50 g/L |
| <b>Taber Abrasion (ASTM D4060):</b>          | 20            | <b>Induction Time:</b>                | None    |
| <b>DOT Classification Part A:</b>            | Not regulated | <b>Tensile Strength (ASTM D638)</b>   | 6,450   |
| <b>DOT Classification Part B:</b>            | Not regulated | <b>Shore D Hardness (ASTM D2240):</b> | 70      |

For the most current Product Data and Application information, consult your Res-Tek representative. The information and recommendations in this Product Data Sheet are based on tests conducted by or on behalf of Res-Tek, in a controlled environment, and reflect current information as of the publication date. This information is subject to change.

### SURFACE PREPARATION

If recoat window of previous product is missed abrade before applying ISO-101.

Please refer to Res-Tek Surface Preparation Guidelines SPG1.

| Application Conditions  |                       |
|-------------------------|-----------------------|
| Application Temperature | 50° to 90°F           |
| Substrate Temperature   | ≤ 5°F above dew point |
| Relative Humidity       | 25% - 80%             |

| Cure Time @70°F RH 50% | Light Foot Traffic<br>(Minimum)                                                                                                                                      | High Impact/Industrial Traffic<br>(Minimum) | Full Cure |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|-----------|
|                        | 4 hrs                                                                                                                                                                | 24 hrs                                      | 5 days    |
| Mix Ratio              | (A:B) 1:1                                                                                                                                                            |                                             |           |
| Packaging              | 2 gallon kit (1 part A, 1 part B in 1 gallon pails)<br>10 gallon kit (1 part A, 1 part B in 5 gallon pails)<br>If pigmenting: 1 Pint can (mix 1 pint: 2 gallon kit). |                                             |           |
| Storage Conditions     | Store material in a cool, dry place between 70°F and 90°F, away from direct sunlight.                                                                                |                                             |           |
| Pot Life (77°F):       | 15-20 mins.                                                                                                                                                          |                                             |           |
| Walk On Time:          | 5 mils WFT                                                                                                                                                           | 4-6 hrs                                     |           |
|                        | 10 mils WFT                                                                                                                                                          | 6-8 hrs                                     |           |

## APPLICATION OF MATERIALS

1. Mix Part A with 1 Part B by volume. Using a variable speed drill equipped with a Jiffy mixing blade; mix on low speed until well blended for no more than 2 minutes.
2. Scrape sides of mixing bucket with paint stick or spatula to help insure thorough blending of Parts A and B.
3. If pigment is required, mix pigment into Part A prior to mixing with Part B.
4. Apply to floor immediately after mixing by using a brush, roller, or squeegee.

## CLEANING & MAINTENANCE

Use appropriate solvent to clean tools and equipment immediately after use. Clean hands with soap and water.

A regular cleaning schedule will increase service life and aid in maintaining aesthetics. Please refer to the Cleaning & Maintenance Guide for specific instructions.

## CAUTION

During use, observe all safety precautions per the product Safety Data Sheet. Prior to use of any product manufactured by Res-Tek, the user must always read and follow the product's: Product Data Sheet, Application Guide, and Safety Data Sheet which are all available at [www.res-tek.net](http://www.res-tek.net)

## WARRANTY

Warranty Res-Tek warrants that materials shipped to buyers are free of any defects in material or workmanship according to Res-Tek's published data if used in accordance with Res-Tek's specified application procedure. Res-Tek Inc. shall not be responsible for any claim resulting from failure to utilize product in the manner in which it was intended, and in accordance with Res-Tek's application guidelines. Res-Tek Inc. has no responsibility for application and processing of products. Note: This product data sheet was prepared as a general guide only. Please contact your local Res-Tek Representative or our Technical Service department for assistance prior to any application.