RES-TEK®
Commercial & Industrial Flooring Solutions

ISO-Guard™
ISO-101
High Solids Polyaspartic

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

Viscosity (ASTM D2196 cPs)(mixed):	550	**Volume Solids (%):**	98%
Density (ASTM D1475, lbs/gal)(mixed):	9.07	**VOC (g/L):**	<50 g/L
Taber Abrasion (ASTM D4060):	60	**Induction Time:**	None
DOT Classification Part A:	Not regulated	**Tensile Strength (ASTM D638)**	6,450
DOT Classification Part B:	Not regulated	**Shore D Hardness (ASTM D2240):**	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 (Minimum)	High Impact/Industrial Traffic (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) 10 gallon kit (1 part A, 1 part B in 5 gallon pails) 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

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.

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