

# SEALBOND 321G

## EPOXY FLOORING & INDUSTRIAL COATING

### Product Description

**SEALBOND EPOXY FLOORING & INDUSTRIAL COATING (EFC 321G)** is a two component - epoxy based coating, formulated from carefully selected, highest grade, epoxy resins and curing agents, manufactured under strict quality control standards. It cures to a hard coating surface that is abrasion resistant. It has an excellent adhesion on properly prepared substrates, such as concrete, steel and wooden surfaces. Designed for a general maintenance coating where gloss and color retention is desired.

### Features

- As a long lasting multi – purpose floor coating solution.
- Available in variety of colors
- Ease of application using brush, roller or spray
- Low solvents content
- Low VOC

### Application areas

Recommended painting job for areas that is not exposed directly to UV, such as;

- Carparks, Warehouses and applications where abrasion, compressive strength are required
- Ideal for floor protection of new and existing flooring of food processing plants, chemicals and pharmaceutical factories, sugar and oil refineries
- For patching of deteriorated flooring

### Processing Data

Mix Ratio (by volume)	3 Part A: 1 Part B	
Gel Time at 30 °C	4-6 hours	
Coating Interval	Min	3 hours
	Max	8 hours
Full Cured at 30 °C	3 days	
Pot Life at 30 °C	20 - 30 minutes	
Shelf Life	12 months at room temperature	

### Technical / Performance Data

Colors	Available in variety of shades
Abrasion Resistance	Excellent to properly primed surfaces
Hardness Pencil Test	2H (ASTM D3363)
Chemical Resistance (Spot Test, 60 mins)	ASTM F925-85
Hydrochloric Acid (5% by wt)	No change
Sulfuric Acid (1% by wt)	Slight surface dulling, permanent
Sulfuric Acid (5% by wt)	Slight color change & surface dulling, permanent
Sodium Hydroxide (10% by wt)	No Change
Acetic Acid, 99.7%	Slight dulling, permanent
Adhesion, Cross-Cut Tape Test	5B (ASTM D3359)
VOC	183.6 g/L
Solid by Volume	50%

### Procedure & Guidelines

#### SURFACE PREPARATION

##### GENERAL

All surfaces must be thoroughly cleaned to remove dirt, grease, mill scale, loose rust, chalk, and any other contaminants that can reduce adhesion through SSPC-SP1 solvent cleaning.

##### CONCRETE / MASONRY

Cure for at least 28 days before application. Remove loose or excess mortar, efflorescence, laitance and concrete form release compounds that reduce adhesion. Etch or abrasive blast polished or glazed concrete before use on floors.

##### PREVIOUSLY PAINTED SURFACES

Scrape loose, scaly, peeling paint and sand the edges smooth. If the paint is glossy, sand to dull the surface. Remove any rust and scale from ferrous metal. If mildew is present, remove completely by sterilizing the surface with mildew remover and detergent. Rinse well and allow to dry before painting.

##### METAL

Sandblasting is recommended to remove rust and mill scale. Use commercial blast to SSPC-SP6 for mild exposures and near-white blast SSPC-SP10 for severe exposures. Where blasting is not possible, thorough scraping and wire brushing may be substituted at some possible sacrifice in performance.

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### MIXING & THINNING

Thoroughly stir each component. Mix three (3) parts by volume of component A to one (1) part of component B. Use of a power mixer is recommended to attain complete homogenizing of a compound. For conventional spraying, SEALBOND EPOXY REDUCER may be added at a maximum of 10-15% by volume of the paint mixture.

### APPLICATION

#### PRIMER

Apply one full coat (as primer only) SEALBOND EPC-100 using brush / roller to achieve a continuous and even coverage. Ensure priming coats are kept clean and free from dust, water, condensation. Please refer to SEALBOND EPC-100 Epoxy Primer Clear TDS.

**SEALBOND EFC-321G** may be applied by brush, roller, conventional spray, or by airless spray equipment. To paint over a hundred previous coats, it is necessary to sand it lightly to provide a good toehold for the next coat.

### NOTES

All epoxy coatings will chalk and fade if applied to exposed areas affected with direct sunlight.

*Please contact Sealbond Technical Personnel regarding exposed coating applications.*

### Theoretical Coverage

#### SEALBOND 321G

20-24 m<sup>2</sup> per gallon at 75 µm DFT per coat

Product is manufactured based on International Environmental Regulations

**SEALBOND 321G** is a green revolution product.



### Health & Safety

Please wear rubber or plastic gloves to avoid contact with skin. Please refer to MSDS for other safety information.

Product is for Professional use only.

### Storage / Packaging

**Sealbond 321G** is available in a gallon set.

This product must be stored dry, protected from sun and rain.

### Product Limitations

Product should not be applied directly to the substrate that shows any hydrostatic pressure problems that may cause the later cause disbonding.

### Additional Information - Disclaimer

The information and in particular, recommendations relating to the application and end-use of Sealbond products, are given in good faith based on Sealbond's best knowledge and specialty on construction chemical formulations. Products are properly stored and handled in accordance with Sealbond's endorsements. Hence, subject to the care and method of application, deviations (from published values) in performance may occur. In practice, to different materials used, as well as varying working conditions and environments beyond our control Sealbond Chemical Industries Inc. strictly recommend carrying out intensive trials to test the suitability of the product with regards to the required processes and applications. Therefore, any liability for such recommendations or any oral/verbal advice is expressly excluded unless we have acted wilfully or by gross negligence. Sealbond Chemicals Industries Inc. is not liable for installation or faulty installation. It is always the responsibility of the installer/applicator/purchaser to guarantee and certify the installation of materials.

All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the Product Data Sheet for the product awareness, copies of which will be supplied on request and is free of charge.



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