

# Absolute Protective Coatings

## TECHNICAL DATA

### DESCRIPTION & FEATURES

PG-1 IFE flexible epoxy is a two-part 100% solids, liquid applied coating. This system is a urethane modified epoxy with high degrees of flexibility which will not migrate out of the coating with age. PG-1 IFE provides a chip resistant coating with high degrees of elongation. Available degrees of elongation: 15, 25, and 50.

PG-1 IFE flexible epoxy is designated for use as a crack bridging membrane in secondary containment areas and for floor and wall coatings requiring high degrees of flexibility and elongation. Offering outstanding durability, PG-1 IFE is well suited for applications in chemical processing plants, metal finishing plants, pulp mills, food processing plants, sewage and waste treatment plants, and manufacturing plants. Due to the crack bridging properties and impact resistant nature of PG -1 IFE, it can be used in trenches and sumps, providing superior protection on concrete, steel, and wood.

PG -1 IFE can also be used as a sealer or glaze coat for protection against chipping on standard epoxy floor systems. It is also commonly used for filling joints and cracks.

VOC Content: Trace VOC (less than 5 g/l).

### TYPICAL APPLICATIONS

PG-1 IFE may be applied at 15-30 mils without aggregate. For higher build applications, add ESL-3 filler per instructions. Contact Absolute Protective Coatings technical staff for other applications.

### LIMITATIONS

Apply ONLY to properly cleaned and prepared surfaces. Do NOT apply to wet, dirty, greasy, scaling or waxed surfaces. Consult our technical department if temperature in application area is below 50° F or if finished coating system is to be continuously exposed to temperatures of 180° F or more.

## INSTALLATION

All surfaces must be clean and sound. Surface laitance must be removed. For flooring preparation refer to Absolute Protective Coatings surface preparation guide.

MIXING INSTRUCTIONS: Before mixing, stir Parts A and B separately until consistency is uniform. Pour B component into A component and mix thoroughly using a mechanical mixer for a minimum of 3 minutes.

### PROPERTIES (based on PG-1 IFE 100)

Pot life @ 70° F .....	20 Minutes
Initial set up light traffic.....	12-14 hours @ 75° F
Heavy traffic.....	24 hours @ 75° F
Curing temperature limit.....	50° F (minimum)
Tensile Strength.....	1,600 psi
Tensile Modulus.....	23,000 psi
Hardness Shore D.....	51
Elongation.....	100%

COLORS AND FINISH OPTIONS (Use Absolute pigment "LD-ED") GRAY • Some non-standard colors are available by special order.

## MIXING RATIO / INSTRUCTIONS: PACKAGING

### PG-1 IFE 15:

#### 2.25 part A & 1 part B

#### 1.5 gal kit

Net Volume A: 1.04 gallons (9.8 pounds)

Net Volume B: .46 gallons (4.1 pounds)

#### 4.5 gal kit

Net Volume A: 3.12 gallons (29.3 pounds)

Net Volume B: 1.38 gallons (12.4 pounds)

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## **MIXING RATIO / INSTRUCTIONS: PG-1 IFE 25:**

### **2.5 part A & 1 part B**

#### **1.5 gal kit**

Net Volume A: 1.07 gallons (10 pounds)

Net Volume B: 0.43 gallons (3.8 pounds)

#### **4.5 gal kit**

Net Volume A: 3.21 gallons (30.1 pounds)

Net Volume B: 1.29 gallons (11.5 pounds)

## **MIXING RATIO / INSTRUCTIONS: PG-1 IFE 50:**

### **3 part A & 1 part B**

#### **1.5 gal kit**

Net Volume A: 1.12 gallons (10.5 pounds)

Net Volume B: .38 gallons (3.4 pounds)

#### **4.5 gal kit**

Net Volume A: 3.37 gallons (31.4 pounds)

Net Volume B: 1.13 gallons (10.1 pounds)

## **MATERIAL SAFETY DATA SHEETS**

Material Safety Data Sheets are available upon request. It is strongly recommended that all persons involved in the handling of Absolute Protective Coatings products read them.

## **WARRANTY NOTICE**

Recommendations for product use based on tests believed to be reliable. Field conditions vary widely. For this reason, the user must determine product suitability for the particular use and specific applications. Absolute Protective Coatings warrants that this product will be free of manufacturing defects for a period of (6) six months from date of manufacture. Absolute Protective Coatings will, at its option, replace any material or will refund the purchase price of any material that does not conform to our standard specifications, if the discovery of non-compliance is made within (6) six months of delivery of material. Absolute Protective Coatings liability and obligation is limited only to replacement or refund of product. Absolute Protective Coatings assumes no liability for injury, loss or damage resulting from use of this product.

## **CORPORATE CONTACT**

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