

# **Proflex Flexible Epoxy®**



## **EZ Application 1500 Series**

### **Product Data Sheet**

F1508 Gray

**This product is a unique, extremely flexible, two-component epoxy membrane. It is solvent-free and exhibits excellent tensile strength and elongation under ambient as well as colder temperatures.**

### **ADVANTAGES**

- 100% solids for low odor during installation
- Less hazardous.
- Self-priming and leveling on properly prepared surfaces.
- Self-leveling when sufficient material is applied.
- Fills depressions, spalled areas and cracks.
- Absorbs movement to help prevent reflective cracking.
- Remains flexible over a wide range of temperatures.

#### ***These features make it ideal for use as a:***

- Pourable crack filler for concrete, wood, plastics as well as foams.
- Filler and resurfacer (with sand and aggregate) to repair concrete decks, walks and steps.
- Self-leveling sealer for drip pans, impoundments and flexible membranes.
- Tough yet flexible skin-former for fragile materials such as foams, fabrics, etc.

### **SURFACE PREPARATION**

Surface and air temperature must be a minimum of 50° F. during installation and initial cure. Surface should be checked for soundness. Standard surface preparation practice should be followed, including thorough cleaning and drying.

When using Proflex Flexible Epoxy as a complete floor covering, a top coat of Urethane is necessary.

### **TYPICAL PROPERTIES (When mixed)**

Mix Ratio:	1:1 by volume
Density (mixed A & B):	8.71 lbs / gal

Viscosity (Brookfield):	750 cps	
Gel Time:	55 min.	
Cure Time:	24 hours	
Shore D Hardness (72 hrs):	52	
Adhesion (aged):	100% @ 730 psi	
Impact Resistance:	> 174 inch-lbs.	
Mandrel Bend:	1/8" no crack	
Color:	Gray	
	<b>7 days</b>	<b>15 days</b>
Tensile Strength – Ambient:	808 psi	1390 psi
Tensile Strength – Chilled:	3900 psi	6610 psi
Elongation – Ambient:	139 %	132 %
Elongation – Chilled:	68 %	27 %
Modulus of Elasticity – Ambient:	79.7 psi	331 psi
Modulus of Elasticity – Chilled:	1150 psi	1180 psi
Hot Tire Print	No permanent imprint @ 2 hrs., 140°F	

**Proflex Flexible Epoxy®** can be used by itself or mixed with (dry) sand and or larger aggregate. The addition of a filler material will reduce cost and add strength. Use approximately 3 - 4 volume of aggregate to 1 volume of **Proflex Flexible Epoxy®**. Adjust this volume as required in the field.

**Proflex Flexible Epoxy®** is 100% solids so it does not shrink in curing. The product is water, salt and chemically resistant, allowing for a wide spectrum of applications.

### Application Guidelines

Surface and air temperature must be a minimum of 50°F during installation and initial cure. Surface should be checked for soundness. Standard surface preparation practice should be followed, including thorough cleaning and drying.

**Proflex Flexible Epoxy®** has a thin consistency so it will self-level. When ready to apply, mix part A and part B, as instructed on the label. Mix thoroughly.

When parts A and B are mixed, **Proflex Flexible Epoxy®** will have a pot life of approximately 45 – 60 minutes in ambient temperatures of 70 - 75 deg F. The pot life will decrease with increasing temperatures. Full cure is achieved in approximately 24 hours after application.

**When using Proflex Flexible Epoxy as a complete floor covering, a topcoat of Urethane is necessary**

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