

# Multi-Filla Epoxy

**Extreme Non-slump Epoxy Filler** 

# **Product Description**

Pioneer Pro Multi-filla is a versatile, non-shrinking epoxy product that serves as true adhesive and filler in one. It is ideal for filling applications of up to 1 inch thick.

# **Key Features**

- Heavy-duty epoxy adhesive
- Gap filler and adhesive in one
- 100% solids content
- Non-sagging up to 1 inch thick
- Ideal for vertical and overhead applications
- Underwater curing capability
- Non-shrinking, non-chipping and non-cracking once cured
- High water and chemical resistance after curing
- Sandable and Paintable

# **Applications**

- Repairs cracks, spalled and unsound concrete
- Fills gaps for underwater applications
- Anchors bolts and fixtures

# **Application Procedure**

# A. Surface Preparation

Surface contaminants such as dirt, grease, oil or wax must be removed from areas to be joined. Clean surfaces by sanding, sandblasting or brushing for stronger bonds. Surfaces should be clean and ready for application before the adhesive is mixed.

# Product Specifications / Typical Properties / Physical Characteristics

Table 1. Wet Properties\*

Parameters	Component A (RESIN)	Component B (HARDENER)
1. Appearance	Gray, thixotropic	Yellowish-beige,
	paste	thixotropic paste
2. Specific Gravity	1.90	1.57
3. Viscosity @ 25°C	5,426,000 cps	6,410, 000 cps
4. Solids Content	100%	100%



Table 2. Mixed State Properties\*

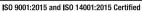
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Parameters	Results		
1. Mixing Ratio	2 parts A: 1 part B (by volume)		
2. Appearance	Gray, thixotropic paste		
3. Potlife @ 26°C	30-40 minutes		
4. Setting Time @ 26°C	60 minutes		
5. Underwater curing	GOOD		
6. Slump @ 40°C	Non-slumping up to 2 inch		
	depth		

# Table 3. Cured State Properties\*

Parameters		Results	
1.	Full cure time	72 hours	
2.	Hardness (after 24 hours),	75 minimum	
	shore D		
3.	Shrinkage	nil	
4.	Water resistance	Excellent	
5.	Chemical Resistance	Resistant to most acids, alkalis	
		and other organic solvents	
6.	Weathering Resistance	Color will fade through time	
		(epoxy-based products are	
		typically not UV-resistant)	
7.	Tensile Strength	3,300 psi	
	ASTM D638		
8.	Flexural Strength	6,200 psi	
	ASTM D790		
9.	Compressive Strength	10,100 psi	
	ASTM D695		
10.	Coverage area (theoretical)	13.5 square meter using 0.5	
		cm thickness	

<sup>\*</sup>Typical Values and characteristics only.





### **B.** Mixing

Mix 2 parts A: 1 part B by volume. Better to use separate spatulas (or spoon) to avoid contamination. Blend thoroughly until color streaks disappear and a uniform color is achieved. To avoid waste, prepare a quantity just enough to be consumed within 30 minutes.

#### C. Method

- Apply mixed compound with a putty knife or spatula on one or both faces of glue joints.
- 2. Join surfaces with sufficient pressure to ensure complete contact.
- 3. Allow to cure or to harden.
- Unnecessary handling should be avoided until cure is complete. On its uncured state, scrape off excesses from edges or joints or immediately spread out the mixture on surfaces to be settled, filled or patched.

# D. Cleaning

Clean all tools or equipment used while adhesive is still in its uncured state. Use Pioneer Epoxy Reducer or solvents to clean tools and spills.

# **Packaging**

SKU	Packaging	Weight of set,	Quantity
		kg	per box
Gallon set	Tin can	8.55	2 sets
Quart set	Tin can	2.16	6 sets

Note: 1 set = 1 pc component A + 1 pc component B

# **Storage**

Store in a dry place at ambient temperature. Keep containers tightly closed, when not in use.

#### **Shelf Life**

12 months from manufacturing date when kept in a sealed, unopened container following the required storage condition.

#### **Health and Safety Precautions**



#### WARNING

#### Hazards

Causes skin and eye irritation. May cause an allergic skin reaction.

# Precaution

Wash skin thoroughly after handling.
Wear protective gloves/clothing/eye/face protection.
Contaminated work clothing should not be allowed out of the workplace.

If on skin or hair: Wash with plenty of soap and water. Take off contaminated clothing and wash before re-use. If skin irritation or rash occurs, get medical attention

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention. Collect spillage.

#### KEEP OUT OF REACH OF CHILDREN.

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