

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 paste	Yellowish-beige, 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*

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), shore D	75 minimum
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 ASTM D638	3,300 psi
8. Flexural Strength ASTM D790	6,200 psi
9. Compressive Strength ASTM D695	10,100 psi
10. Coverage area (theoretical)	13.5 square meter using 0.5 cm thickness

*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

1. 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.
4. 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, kg	Quantity 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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