

Product Data Sheet For:

PLEXIPATCH QC

Epoxy Quick Patch

DESCRIPTION:

PlexiPatch QC is a multi-purpose, 100% solids, two component patching compound designed for use as a fast repair and setting adhesive. There are two versions available: A standard formulation, and a flexible formulation. The two versions are a 1 to 1 ratio, and are easy to mix with a 10-15 minute working time at 70°F. Repairs can be sanded, tapped, sawed, drilled, or top coated in as little as two hours after application.

PRODUCT USES:

- ↪ Filling both horizontal and vertical cracks, divots, and any surface deviations in concrete, wood or drywall prior to coating
- ↪ Smoothing uneven surfaces
- ↪ Allows for fast repair on moving cracks and joints
- ↪ Used as a joint sealant and a crack isolation membrane.

PHYSICAL PROPERTIES:

- ↪ **Composition:** Two-component amine cured epoxy
- ↪ **Colors:** Part A: White, Part B: Black
- ↪ **Weight/Gallon:** 14 lbs. mixed
- ↪ **Solids Content:** 100%
- ↪ **Mix Ratio:** 1A:1B by volume
- ↪ **Pot Life:** 10-15 min. @ 70° F (100 g mass)
- ↪ **Consistency:** Trowelable putty or flowable

COVERAGE:

One gallon will yield 231 cubic inches of epoxy patch and fill material.

INSTALLATION GUIDELINES:

Preparation:

Surface must be clean and sound. All dirt, oil, grease, and loose substrate matter must be removed.

Mixing:

Observe all precautions on SDS and label when using this product. Mix 1A:1B by volume until a uniform color is achieved.

Application:

Apply with trowel, putty knife, or a broad knife.

Cure:

PlexiPatch QC is firm in 90 minutes and can generally be sanded in 120 minutes at 70° F. PlexiPatch QC should always be sanded before top coating.

Clean-Up:

Clean skin and equipment with soap and water; use MEK or proprietary epoxy thinners for equipment.

PERFORMANCE PROPERTIES:

Tensile Strength: (ASTM D-638)	7,400 psi
Elongation: (ASTM D-638)	Standard 25%
	Flex 150%
Adhesion: (ASTM D-4541)	
To metal:	2,600 psi
To concrete:	350 psi (concrete fails)
Hardness: (ASTM D-2240)	Standard 85 (Shore D)
	Flex 65(Shore D)
Abrasion Resistance (ASTM D-4060)	33-38 mg
CS-17 wheel, 1 kg load, 1,000 rev	weight loss

Service Temperature: 175°F (immersion) / 225°F (dry heat)

PACKAGING:

Unit size: ½ Gallon: 1 x ¼ (Part A) & 1 x ¼ (Part B) -9lbs.*
Unit size: 2 Gallons: 1 x 1 (Part A) & 1 x 1 (Part B) -30lbs.*
*Approximate shipping weight

CHEMICAL RESISTANCE:

Reagent	Rating
Acetic Acid- 5%	L
Acetone	L
Bleach	L
Citric Acid- 20%	L
Crude Oil	R
Diesel Fuel	R
Ethylene Glycol	R
Fatty Acids	L
Gasoline	R
Hydrochloric Acid- 15%	R
Lactic Acid- 15%	L
Methyl Ethyl Ketone	L
Nitric Acid- 10%	L
Skydrol	R
Sodium Hydroxide- 50%	R
Sulfuric Acid- 50%	R
Toluene	L
Urea	R
Vinegar	L
Xylene	L

R- Recommended for continuous service.

L- Limited recommendation, occasional spills.

This chart is intended as an aid in evaluating the performance of these systems in various chemical exposures at 75°F. The data is intended as a guide only. In severe or combination exposures, a sample should be tested under actual or simulated use conditions.

Product Data is revised as needed to reflect the most recent technology and field experience. Consult Plexi-Chemie Inc. for current printing date of literature.

SAFETY:

This product is intended for use by professionals only. Keep away from children and those not trained in the use and potential hazards involved. PlexiPatch QC is a two-part epoxy system. Part A contains epoxy resins and silica. Part B contains amine epoxy adducts and silica. Workers should wear gloves, goggles, and body covering when mixing or applying product. Clean up with soap and warm water. Abrasive treatment of cured film may generate microcrystalline silica dust. Dust masks should be worn when abrading.

Notice: The technical data contained herein are true and accurate to the best of our knowledge. All products are offered and sold subject to Plexi-Chemie Inc. Standard Conditions of Sale. Published technical data and instructions are subject to change without prior notice.

Please be sure the Safety Data Sheet is read and understood before using any Plexi-Chemie product.