



ICO QUIK-PATCH

Product Data Sheet

Product Description

ICO Quik-Patch is a flexibilized, three part epoxy hybrid polymer patch material designed for very rapid concrete repairs. Having no solvents it can be applied in virtually any thickness down to 1/2" in a single pass and cures within one-two hours (50° - 90°F).

ICO Quik-Patch is trowel applied with our pre-selected grades of sand at an 8:1 loading ratio by weight, finishing to a water tight surface impervious to moisture penetration. It is available in an untinted version or a concrete gray color, either in premeasured 1/2 cubic foot mixes or 5 cubic foot bulk packs.

Typical Application

ICO Quik-Patch is ideally suited for bridge and other concrete repairs where high wear impact and vibration are the norm. The rapid setting characteristics enable downtime to be minimized and its low odor and ease of application make it a user-friendly material that requires no special equipment. Because it is an epoxy-based material, it has superior long term adhesion to both dry and damp concrete and asphalt.

Chemical Resistance

ICO Quik-Patch will resist splash and spill from salt, fuel oils, gasoline, battery acids and alkaline cleaners.

Physical Properties

Tensile Strength, ASTM C-307	: 1,961 psi	Water Absorption	: 0.2% in 24 hours
Compressive Strength ASTM C-579:	13,245 psi	Hardness, Shore D	: 80
Tensile Elongation, %	: 4.3%	Bond Strength to Concrete:	400psi (concrete fails)
Unfilled (ASTM D-638)		Gardner Impact Strength:	120 inch pound

Physical Characteristics

Density, lbs/gal

Pt. A 9.6
Pt. B 8.4
A&B Mixed 9.2

Viscosity @ 75°, cps

Pt. A 2000
Pt. B 500
A&B Mixed ~1500

Shelf Life: 1 year at 77° in unopened containers, stored between 60°F and 80°F

Mixing Ratios

Pt. A : Pt. B
Aggregate:Liquid

By Volume

1.9:1
5:1

By Weight

1.7:1
8:1

Curing Times @

	50°F	70°F	90°F
Pot Life	10 min.	8 min.	5 min.
Working Time	15 min.	15 min.	10 min.
Cure, Hard	90 min.	75 min.	60 min.

Color Availability

Concrete Gray, untinted

Packaging and Coverage Rates

1/2 Cu. Ft. Kit – 6 SF @ 1" thick
5 Cu. Ft. Kit – 60 SF @ 1" thick

Installation

Please refer to our Application Specs for detailed instructions. Particular care must be taken to follow those instructions precisely to assure proper installation.

1. All surfaces to be covered should have been mechanically prepared to remove all loose, failing concrete or old patch material to achieve a sound, clean substrate, followed by thorough vacuuming and washing to remove all dust and debris.
2. Prime area to be filled with liquid ICO Quick Patch. Patch can be applied on wet or tacky primer.
3. The three ingredients should be mixed in the prescribed ratios using a low speed paddle or mortar mixer until uniform in color and consistency. Do not mix more than can be applied in 10-15 minutes. Immediately dump all mixed contents onto the area to be repaired.
4. Using screed strips, gauge rakes or notch trowels, spread the material to fill the desired area. Then lightly trowel to achieve an even surface. Back rolling with a fine nap roller dipped in isopropyl alcohol is recommended to help close up the surface.

Failure to follow the above instructions, unless expressly authorized by a Milamar Technical Service Representative, will void our material warranty.

Precautions

1. **Do not apply below 50°F**
2. **Do not apply less than ½” thick**
3. **Do not feather edge**
4. **Do not add solvent to the mix**

Product Specification

The specified area shall receive an application of **ICO-Quik-Patch™** as manufactured by **Milamar Coatings LLC. of Oklahoma City, Oklahoma**. The system shall be installed by precisely following the manufacturers published recommendation pertaining to surface preparation, mixing and application. The material shall be a low odor, 100% solid, three part epoxy hybrid polymer. It shall have a compressive strength of 13,245 psi when tested using ASTM C-579 and a Shore D Hardness of 80. The system shall be usable in a temperature range of 50°F-90°F. The system shall resist chemical attack for up to 24 hours from salts, gasoline, oils and lubricants.

The data statements and recommendations set forth in this product information sheet are based on testing, research and other development work which has been carefully conducted by us, and we believe such data. Statements and recommendations will serve as reliable guidelines. However, this product is subject to numerous uses under varying conditions over which we have no control, and accordingly we do NOT warrant that this product is suitable for any particular use. Users are advised to test the product in advance to make certain it is suitable for their particular production conditions and particular use or uses.

LIMITED WARRANTY

Milamar Coatings products are manufactured to be free of defects in material and workmanship in meeting the properties specified on its individual Product Data Sheets. Users and installers of Milamar Coatings products are solely responsible for determining the suitability of the products for specific product applications. Milamar Coatings makes no Warranty or Guarantee, express or implied, including warranties of fitness, design compatibility or merchantability, for any particular use and shall have no responsibility or liability, including direct, indirect or consequential damages, due to injury, delay or third party claims for installation or repair. Likewise, Milamar Coatings assumes no liability of any nature for products that are adjusted in the field or that do not utilize all specified Milamar Coatings components. Should any Milamar Coatings product be proved to be defective within one year from the date of shipment, Milamar Coatings will, at its sole discretion, either replace the material; issue a credit to the customer's account; or provide a cash refund for the initial, paid purchase price of the material. Potential claims regarding product quality must be received in writing by Milamar Coatings within 30 days of the discovery of such potential defect. This Warranty is exclusive of all other warranties, expressed or implied, and may only be adjusted in writing, signed by an officer of Milamar Coatings, L.L.C.



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