



**Resilient
Epoxy
Flooring
and
Grouting
Systems**

PRODUCT DATA SHEET

ICO QUIK-PATCH

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 an ICO 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 **International Coatings, Franklin Park, Illinois**. 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.

Mission Statement

Our mission is to provide our customers the highest possible quality products and services and by so doing, build long term relationships based on mutual trust and respect.

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 numerable 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.

WARRANTY - All products manufactured by us are warranted to be first class material and free from defects in material and workmanship.

Liability under this warranty is limited to the net purchase price of any such products proven defective or, at our option, to the repair or replacement of said products upon their return to us transportation prepaid. All claims hereunder on defective products must be made in writing within 30 days after the receipt of such products in your plant and prior to further processing or combining with other materials and products. WE MAKE NO WARRANTY, EXPRESS OR IMPLIED, AS TO THE SUITABILITY OF ANY OF OUR PRODUCTS FOR ANY PARTICULAR USE, AND WE SHALL NOT BE SUBJECT TO LIABILITY FROM ANY DAMAGES RESULTING FROM THEIR USE IN OPERATIONS NOT UNDER OUR DIRECT CONTROL.

THIS WARRANTY IS EXCLUSIVE OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AND NO REPRESENTATIVE OF OURS OR ANY OTHER PERSON IS AUTHORIZED TO ASSUME FOR US ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF OUR PRODUCTS.



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