

Quick Patch

Plural Component 'Quick Patch'



PRODUCT INFORMATION DATA
SHEET

PRODUCT DESCRIPTION:

Quick Patch is a quick curing, two component, low odor, liquid applied, polyurethane concrete repair material designed to repair concrete and masonry substrates. The new surface will protect concrete from weather, corrosion, erosion, freeze/thaw spalling and chemical attack.

FEATURES:

- Rapid Cure Allows Traffic to Resume in Minutes
- Waterproof
- Excellent Abrasion Resistance
- Remains Slightly Flexible in a Wide Range of Temperatures
- Low odor
- Solvent free

TYPICAL USES:

Used as a primer for the following substrates:

- Pavement Divots
- Replaces missing portions of concrete
- Filling holes or profiling very rough areas

PACKAGING:

- 2 Quart Kit (1 Quart can of Side-A and 1 Quart can of Side-B)
- 2 Gallon Kit (1 Gallon pail of Side-A and 1-Gallon pail of Side-B)
- 10 Gallon Kit (1 Five gal Bucket of Side-A and 1 Five gal Bucket of Side-B)

STANDARD COLORS:

- Side-A Yellow
- Side-B Blue
- Quick Patch is grey once cured

MIXING:

The volume mixing ratio is 1 Part-A Yellow Liquid to 1 part Part-B Blue Liquid.

1. Side-A and Side-B should be thoroughly mixed individually prior to combining to ensure a homogeneous material.
2. Quick Patch must always be mixed at a 1:1 ratio. 1-part Side-A is mixed with 1-part Side-B. The combined components should be thoroughly mixed using either a mechanical mixer at slow speed or mixed by hand. Once thoroughly mixed pour out the mixture without delay.

SURFACE PREPARATION:

- Surfaces must be clean, dry, free of any previous applied products and foreign matter.

MANUAL APPLICATION:

- Surfaces must be clean, dry, free of any previous applied products and foreign matter.
- Recommended surface temperature should be greater than 50°F
- Quick Patch is sensitive to heat. Higher temperatures will significantly accelerate the cure time and reduce the pot life. Use caution in batch sizes.
- Low temperature will extend the cure time
- Pour out Quick Patch without delay as it will cure quickly. Apply Quick Patch in 1 pour for best results.
- Quick Patch does not permanently adhere to previous applications of Quick Patch

MECHANICAL APPLICATION:

Quick Patch can be applied using a proportioning dispensing system. This type transfers, meters, and mixes Side-A and Side-B at the required proportions. The machine transfers from five or fifty-five gallon containers through proportioning pumps at the specified ratio of 1:1. Both components are pumped through a disposable static mixing tube. The combined mixture can then be dispensed.

CLEANUP:

Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

STORAGE:

Quick Patch has a shelf life of one year

LIMITATIONS:

- Quick Patch does not permanently adhere to previous applications of Quick Patch
- Containers that have been opened must be used as soon as possible
- Quick Patch is difficult to clean up after it has cured
- Mix no more material than can be used within 1 minute. Quick Patch will cure quickly

ADVANTAGES:

- Non-hazardous, non-toxic, solvent free, low VOC, and low odor
- Resistant to most oils, solvents, caustics & acids
- May be subjected to extreme cold during shipping, handling & storage without ill effects

TECHNICAL SERVICES:

Sani-Tred representatives are available to assist you in selecting an appropriate product, to provide application instructions or safety precautions at 1-866-784-3308. Refer to MSDS for safety precautions.

2-PART QUICK PATCH

Plural Component Polyurethane



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QUICK PATCH TYPICAL PHYSICAL PROPERTIES

Hardness	ASTM D-2240	70+- 5 Shore D
Tensile Strength	ASTM D-412	2200 +- 220 psi 15.17 +- 1.5MPa
Ultimate Elongation	ASTM D-412	4 +- 0.5%
Compressive Strength	ASTM C-42	4750 psi 32.76 MPa
** Compressive strength was checked on composite of Silica sand (12 mesh, 605 Moh's minimum hardness) and 18 to 20% of Quick Patch in a 4"x8" cylinder.		
Specific Gravity	Part-A	1.139
Specific Gravity	Part-B	0.967
Mixing Ratio by Weight		118:100
Mixing Ratio by Volume		1:1
Viscosity at 75F (24C), Brookfield,	Part-A	80+- 20 cps
Viscosity at 75F (24C), Brookfield,	Part-B	150+- 30 cps
Pot Life @ 75F (24C)		80 seconds
Flash Point		>300F >148.89C
Bond Strength to Concrete		Excellent
Thermal Compatibility to Concrete		Good

QUICK PATCH CHEMICAL RESISTANCE (Based on ASTM D-814)

QUICK PATCH WAS UNAFFECTED BY THE FOLLOWING CHEMICALS:

Acidic Chemicals
Acetic Acid, 1%
Acetic Acid, 10%
Hydrochloric Acid, 1%
Hydrochloric Acid, 10%
Sulfuric Acid, 1%
Sulfuric Acid, 10%
BASIC CHEMICALS:
Ammonium Hydroxide, 1%
Ammonium Hydroxide, 10%
Oils, Fuels and Other Chemicals
Hydraulic Oil
Motor Oil
Unleaded Gas (Regular)
Unleaded Gas (Premium)
Hexane
IPA
MIBK
Xylene