

PRODUCT DATA SHEET

SikaQuick® EZ Patch

HIGH PERFORMANCE, FAST SETTING, CEMENT BASED PATCH / SLOPING MORTAR

PRODUCT DESCRIPTION

SikaQuick® EZ Patch is a cementitious, one-component, fast setting material used for to resurface concrete surfaces or creation of a slope or a pitch.

USES

- Used to reprofile substrates or subfloor surfaces from feather edge to a maximum 1-1/2" (38 mm) in thickness.
- Repair minor defects, holes, cracks and pre-fill static (i.e. nonmoving) joints and seams in concrete, balconies, terraces, etc.
- On grade, above grade and below grade on concrete and mortar.
- On horizontal surfaces.
- For resurfacing concrete.
- For pedestrian traffic only.

CHARACTERISTICS / ADVANTAGES

- Easy to use, one-component
- Variable water ratios for different uses: resurfacing/sloping
- Interior and exterior use
- Feather edge application
- High compressive and flexural strengths
- High abrasion resistance

PRODUCT INFORMATION

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|---------------------------|--|
| Packaging | 30 lb (13.6 kg) bag |
| Appearance / Color | Gray powder |
| Shelf Life | 12 months from date of production if stored properly in original, unopened and undamaged, sealed packaging |
| Storage Conditions | Store dry at 40° - 95° F (4° - 35° C) Protect from moisture. If damp, discard material. |

TECHNICAL INFORMATION

| | | | |
|-----------------------------|---------|----------------------|--|
| Compressive Strength | 4 hours | 1,650 psi (11.4 MPa) | (ASTM C-109) 73° F (23° C), 50% R.H. |
| | 1 day | 2,700 psi (18.6 MPa) | |
| | 7 days | 3,700 psi (25.5 MPa) | |
| | 28 days | 4,000 psi (27.6 MPa) | |
| Flexural Strength | 28 days | 1,200 psi (8.3 MPa) | (ASTM C-293) 73° F (23° C), 50% R.H. |
| Pull-Out Resistance | 28 days | 450 psi (3.1 MPa) | (ASTM C-1583) 73° F (23° C), 50% R.H. |
| Shrinkage | 28 days | <0.05% | (ASTM C-157 [modified per ASTM C-928]) 73° F (23° C), 50% R.H. |

APPLICATION INFORMATION

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|--------------------------------|---|-------------------------|----------------|
| Mixing Ratio | | Min. | Max. |
| | Water contente | 4.5 pts (2.1 L) | 6 pts (2.8 L) |
| | Consistency | Slops | Resurfacing |
| Coverage | 12-15 ft ² at 1/4" (1.1-1.4 m ² at 6 mm) per bag (Coverage range does not include allowance for surface profile, surface porosity or material waste.) | | |
| Layer Thickness | | Min. | Max. |
| | Neat | Feather edge | 1-1/2" (38 mm) |
| | Extended | 1" (25.4 mm) | 3" (76 mm) |
| Product Temperature | 65° - 75° F (18° - 24° C) | | |
| Ambient Air Temperature | 45° - 95° F (7° - 35° C) | | |
| Substrate Temperature | 45° - 95° F (7° - 35° C) | | |
| Pot Life | ~ 20 minutes | | |
| | Temperature will affect the Application Life: ■ Above 73° F (23° C) will reduce the application life and workability ■ Below 73° F (23° C) will extend the application life and workability | | |
| Waiting / Recoat Times | 16 - 24 hours | 73° F (23° C), 50% R.H. | |

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

- Surface must be clean and sound.
- Remove all deteriorated concrete, dirt, oil, grease, and other bond inhibiting materials from the surfaces to be repaired.
- Preparation work should be done by following International Concrete Repair Institute (ICRI) standards to achieve a Concrete Surface Profile (CSP-3 minimum).
- The compressive strength of the concrete substrate should be at least 2,900 psi (20 MPa) at 28 days with a minimum Tensile Strength of 200 psi (1.4 MPa).
- To ensure optimum repair results, the effectiveness of decontamination and preparation should be assessed by a Pull-Off test.
- All cracks must be repaired before using SikaQuick® EZ Patch as a final surface.
- Substrate should be Saturated Surface Dry (SSD) with clean water prior to application. Surfaces should be dampened with no standing water remaining prior to installation.

MIXING

- As with all prebagged cement products, some settlement may have occurred during transportation and storage. Dry blending of the material is recommended.
- Pour 4.5 - 5.5 pints (2.1 - 2.6 liters) of clean, potable water [approximately 70° F (21° C) into a suitably sized and clean mixing container, using a calibrated measuring jug, or similar, to ensure strict control of the water content (do not over-water).
- Add SikaQuick® EZ Patch to the water while slowly mixing, adding the entire contents of the bag.
- Mix with a low-speed drill (400-600 rpm) and a mud paddle to blend water and powder for approximately 2 to 3 minutes. Mix until a lump-free, uniform mix has been achieved.
- Avoid entrapment of air due to excessive mixing as this will impact performance. Do not mix more mortar than can be used within the stated application life, taking into consideration ambient and substrate temperatures.
- Refer to ACI 305R "Guide to Hot Weather Concreting" and ACI 306R "Guide to Cold Weather Concreting" for guidelines when there is a need to place this product in hot or cold temperature conditions. Thinner installations will be more sensitive to ambient and substrate temperature conditions.

EXTENSION WITH AGGREGATES

- For applications greater than 1-1/2" (38 mm) in depth, add 3/8" (10 mm) coarse aggregate.
- The aggregate must be non-reactive (reference ASTM C 1260, C 227 and C 289), clean, well graded, Saturated Surface Dry (SSD), have low absorption and high density, and comply with ASTM C 33 size number 8 per Table 2.

- Variances in the quality of the aggregate will affect the handling and physical properties of SikaQuick® EZ Patch, resulting in different cured performance values.
- Do not use limestone aggregate.
- The addition rate is 9 lbs (4.1 kgs) of aggregate per bag. This addition rate is approximately 0.72 gallons (2.7 liters) by loose volume of aggregate.
- Do not use additional water. Maximum 5.5 pints (2.1 liters) of clean water per mix.

APPLICATION

- SikaQuick® EZ Patch must be initially scrubbed into the mechanically prepared, SSD substrate, filling all pores and voids.
- Force material against edges of repair, working toward center.
- After filling the repair area, consolidate, then screed.
- Allow product to set to desired stiffness, then finish with a wood float or a sponge float for a smooth surface, or broom for a rough finish.

CURING TREATMENT

- SikaQuick® EZ Patch must be protected against contamination and from precipitation.
- Moist curing method is not required. Allow to air cure.

LIMITATIONS

- Bonding agents (e.g. Sika® Armatec® 110 EpoCem) which cure at a slower rate than SikaQuick® EZ Patch should not be used. Follow surface preparation and "scrub coat" recommendations.
- As with all cement based materials, avoid contact with aluminum to prevent adverse chemical reaction and possible product failure. Insulate potential areas of contact by coating aluminum bars, rails, posts etc. with an appropriate epoxy such as Sikadur-32 Hi-Mod.
- SikaQuick® EZ Patch does not form a vapor barrier after cure.
- All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

OTHER RESTRICTIONS

See Legal Disclaimer.

ENVIRONMENTAL, HEALTH AND SAFETY

LEGAL DISCLAIMER

- KEEP CONTAINER TIGHTLY CLOSED
- KEEP OUT OF REACH OF CHILDREN
- NOT FOR INTERNAL CONSUMPTION
- FOR INDUSTRIAL USE ONLY
- FOR PROFESSIONAL USE ONLY

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Sika Corporation
201 Polito Avenue
Lyndhurst, NJ 07071
Phone: 800-933-7452
Fax: 201-933-6225

Sika Canada Inc.
601 Delmar Avenue
Pointe Claire
Quebec H9R 4A9
Phone: 514-697-2610
Fax: 514-694-2792

Sika Mexicana S.A. de C.V.
Carretera Libre Celaya Km. 8.5
Fracc. Industrial Balvanera
Corregidora, Queretaro
C.P. 76920
Phone: 52 442 2385800
Fax: 52 442 2250537



Product Data Sheet
SikaQuick® EZ Patch
November 2018, Version 01.01
020302040030000292

SikaQuickEZPatch-en-US-(11-2018)-1-1.pdf

