

PRODUCT DATA SHEET

SikaLevel®-025 Patch

RAPID SETTING, POLYMER MODIFIED, CEMENT-BASED PATCHING COMPOUND

PRODUCT DESCRIPTION

SikaLevel®-025 Patch is a fast drying, self-curing, polymer-modified, cement-based patching compound that rapidly develops high compressive strength. Use for smoothing, leveling, patching, and filling cracks, holes and voids in concrete and approved wood underlayments prior to the installation of floor coverings. From featheredge to ½" floor coverings can be installed 1 hour after application. Mix with Sika® Latex R to use as an embossing leveler or patch over properly prepared vinyl sheet goods, vinyl composition tile (VCT), cement terrazzo, and residual cutback adhesive surfaces.

USES

- Skim coating unfinished, rough-textured concrete and approved wood underlayments
- Filling minor voids, holes, and cracks in concrete and approved wood underlayments
- For both interior and exterior patching and leveling from 1/16" to 1/2"
- Suitable for use with radiant heating systems
- For use with SikaBond® adhesives with solid and engineered hardwood

RECOMMENDED SUBSTRATES

When mixed with water:

- Properly prepared cutback and carpet adhesive residue
- Fully bonded, properly prepared ceramic and porcelain tile
- A single layer of properly prepared, fully bonded VCT and felt-backed sheet vinyl
- Can be installed over a substrate measuring less than 98% RH and allowed to dry 18 hours prior to encapsulation

When mixed with Sika® Latex R:

- Mix SikaLevel®-025 Patch with Sika® Latex R and use as an embossing leveler or as a patch to fill voids over properly prepared existing cement terrazzo, ceramic tile, VCT, or non-cushioned, fully adhered residential sheet vinyl flooring, cutback and carpet adhesive residues.

CHARACTERISTICS / ADVANTAGES

- For use on concrete and plywood substrates
- Levels and smooths substrates prior to the installation of floor covering
- Ideal for patching and leveling from 1/16" to 1/2"
- Easy to prepare and quick to apply
- Fast drying, foot traffic in 30 to 60 minutes
- Repairs new and renovate old floors
- Apply over properly prepared cutback, embossed resilient vinyl floors and existing ceramic tile
- Excellent standard of finish can be achieved to allow direct application of coverings
- Mold and mildew resistant

APPROVALS / STANDARDS

- LEED V4.1 California Department of Public Health (CDPH) Standard Method v1.2: Private Office, School Classroom, and Residential
- American National Standards Institute (ANSI) — ANSI A108.01 and A108.02 of the American National Standards for the Installation of Ceramic Tile ASTM International (ASTM)
 - ASTM C109 Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2" or 50mm Cube Specimens)
 - Resilient Floor Covering Institute - (RFCI) Recommended Work Practices for Removal of Resilient Floor Coverings
 - Tile Council of North America (TCNA) - TCNA Handbook

PRODUCT INFORMATION

Chemical Base	Portland cement, selected aggregates, water retention additives, re-dispersible polymer
Packaging	25 lb. (11.34 kg.) bag
Appearance / Color	Gray powder
Shelf Life	12 months from date of production when stored in original, sealed package
Storage Conditions	Store in undamaged, original, sealed package, in dry conditions at 73° F (23° C)

APPLICATION INFORMATION

Mixing Ratio	3 quarts (2.85 liters) of clean potable water per bag				
Coverage	▪ 25 lb. bag will cover 25 - 30 sq.ft. at 1/8" thickness; 12.5 - 15 sq.ft. at 1/4" thickness.				
Layer Thickness	<table><thead><tr><th>Min</th><th>Max</th></tr></thead><tbody><tr><td>1/16" (1.6 mm)</td><td>1/2" (13 mm)</td></tr></tbody></table>	Min	Max	1/16" (1.6 mm)	1/2" (13 mm)
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Substrate Temperature	40 – 95 °F (4 – 35 °C)				
Pot Life	10 - 20 minutes Temperature will affect pot life: <ul style="list-style-type: none">• Above 73 °F (23 °C) will reduce the pot life and the working time• Below 73 °F (23 °C) will extend the pot life and the working time				
Final set time	30 - 60 minutes				

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.

LIMITATIONS

- Do not exceed the recommended water dosage and use clean potable water.
- Do not apply onto dimensionally unstable substrates. Do not use on presswood, flakeboard, metallic or similar substrates and always comply with the final floor manufacturer's recommendations or instructions as to substrate or subfloor standards.
- Not suitable for use on water soluble adhesive residues or those which suffer from migration/bleeding.
- Do not expose to adverse drying conditions while curing. Protect from other trades, traffic, dust, dirt, high ambient temperatures and direct sunlight until final floor covering is completely dry.
- Sika® Level-025 Patch must be covered with an underlayment or final floor covering.
- Not suitable for applications where hydrostatic

pressure is present.

- When used between non-porous substrate and nonbreathable floor covering using water bond adhesives, follow industry and manufactures guidelines for minimum thickness (typically 1/8", 3.2 mm) and flash times for adhesives.

ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

- All substrates must be dry, stable, sound and free of all contaminants such as grease, oil, paint, wax, dust, curing and sealing compounds that will interfere with the bond of Sika® Level-025 Patch.
- Careful consideration should be given to the selection of the method of mechanical surface preparation.
- Immediately following mechanical preparation on some excessively porous substrates, outgassing will increase for a short period of time (approx. 48 hours) until equilibrium in slab vapor pressure and the ambient environment is reached.
- **Concrete & Cement Substrates:** Prepare concrete, cement and dense substrates, including ceramic, quarry and vinyl tiles by mechanical means, such as shot blasting, sandblasting, water-jetting, scarifying, or other appropriate methods, to achieve a matt, glaze free open textured surface. Weak surfaces should be removed, vacuum thoroughly. 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).
- **Gypsum Surfaces:** The compressive strength of a gypsum-based substrate should be at least 2,000 psi (13.8 MPa). It must be fully cured and totally dry.
- **Cutback Adhesive:** Old water-soluble adhesives and old water-resistant adhesives should be removed. Old cutback can contain asbestos which is dangerous for the health so do not grind, sand or blast. Refer to the Resilient Floor Covering Institute's publication "recommended work practice for removal of resilient floor coverings" for instruction.
- **OSB/Plywood Subfloors:** They must consist of exterior grade wood which complies with Group 1 CC Type, is engineer approved and either recommended or warranted by the wood manufacturer or final floor covering supplier. The OSB/plywood must then be suitably secured, bonded and prepared to a contaminant free and sound condition. Ensure wooden floors are well ventilated from below. Moisture Vapor Emission Rates (MVER) of the substrate should comply and meet the requirements of the proposed floor covering. Test substrates for moisture content and consult the manufacturer of the final floor finish for advice.
- All moving joints and moving cracks must be honored up through the floor preparation and floor covering installation, finishing with an appropriate Sika flexible sealing compound. Dormant hairline cracks can be covered with Sika MB, Sika MB Redline, or Sika MB EZ Rapid. Dormant joints and dormant cracks greater than a hairline that will not be honored must be pre-filled in

strict accordance with the installation instructions provided by the Sika Technical Service Department. Moving hairline cracks can be covered with an appropriate Sika flexible adhesives/sealants. Once the dormant cracks and dormant joints have been properly filled, broadcast sand to refusal, and allow these areas to cure thoroughly. Remove all excess sand before proceeding with the SikaLevel® installation.

Priming

- Not required when applied on top of concretes, cement substrates, and some non-porous substrates like ceramic tiles and terrazo
- On gypsum based subfloors, 1 coat of Sika® Level-01Primer Plus is mandatory.
- Well prepared non-absorbent, smooth, sound substrates such epoxies (Sika® MB, Sika® MB Redline, or Sika® MB EZ Rapid) or concrete treated with silicate products must be primed with Sika® Level-02 EZ Primer.
- Refer to the respective PDS for complete and detailed instructions on the usage of each Primer.

MIXING

In a clean container, add approximately 3 quarts (2.85 liters) of clean potable water. Then add the contents of the 25 lb. (11.34 kg) bag of SikaLevel®-025 Patch. Mix thoroughly by hand or with a slow speed mixer (300 rpm or less) to a smooth, lump free consistency. Avoid air entrapment and prolonged mixing which will shorten pot life. Do not overwater. Mix only enough SikaLevel®-025 Patch that can be used in 20 minutes. During use, stir mix occasionally. Do not add additional water.

APPLICATION

Read all installation instructions before installation. Apply the mixed SikaLevel®-025 Patch immediately by using a flat edged trowel to force the initial coat into the substrate. Finish SikaLevel®-025 Patch to the desired thickness and smoothness. Avoid excessive heat or drafty conditions during curing period. Use water on the trowel to make the finishing of the mixture easier but do not over trowel. If material becomes too stiff to work, discard. Drying time is 30 to 60 minutes depending on ambient temperature and thickness. Any ridges or unevenness left in the patch can be scraped smooth with the clean flat edge of a trowel or sanded after a hard set.

CLEANING OF TOOLS

Clean tools and tile with water before the material dries.

OTHER RESTRICTIONS

See Legal Disclaimer.

LEGAL DISCLAIMER

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

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by calling SIKA's Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

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