

PRODUCT DATA SHEET

Sika® Level Patch

Fast-setting cementitious patch for use with Sika® Level products and general floor coverings to repair or reprofile old, damaged or uneven floors

PRODUCT DESCRIPTION

Sika® Level Patch is a one-component, polymer modified, easy to use and fast drying cementitious patching mortar ideal for the repair or re-profiling of concrete, approved wood subfloors and correctly prepared ceramic or quarry tiles before the installation of Sika® Level underlayments or final floor coverings. Easily applied and with both high adhesion values and fine finishing qualities it can be used to fill and level defects.

USES

- Used to repair minor defects, holes and cracks in concrete and wood subfloors before installing underlayments or final covering
- To pre-fill non-moving joints and seams in concrete and wooden substrates

- Used to re-profile rough substrates or subfloor surfaces from feather edge to 1/2" (13 mm) prior to applying levelers or floor finishes
- Used as a parge coat to fill bug holes and surface voids creating a contiguous surface

CHARACTERISTICS / ADVANTAGES

- Easy to prepare and quick to apply
- Excellent high build properties
- Repairs new and renovates old floors
- Good adhesion to substrates, subfloors and stable adhesive residue
- Rapid setting; receives primers, levelers, adhesives and coverings without delay
- Excellent standard of finish can be achieved to allow direct application of coverings

PRODUCT INFORMATION

Packaging	25 lb (11.3 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	28 days	3,000 psi (21 MPa)	(ASTM C-109)
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APPLICATION INFORMATION

Mixing Ratio	4 qts (3.75 L) of water per bag	
Coverage	28 ft ² at 1/8" depth (2.6 m ² at 3 mm) (Coverage figures do not include allowance for surface profile and porosity or material waste)	
Layer Thickness	Min. Feather edge	Max. 1/2" (13 mm)
Product Temperature	65–75 °F (18–24 °C)	
Ambient Air Temperature	50–86 °F (10–30 °C) Where temperatures exceed 86 °F (30 °C), refer to and follow ACI hot weather application and protection guidelines.	
Relative Air Humidity	< 75%	
Substrate Temperature	50–86 °F (10–30 °C)	
Pot Life	~ 10 minutes The temperature will affect the 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.	
Set Time	20 - 30 minutes	(ASTM C-266)
Final Set Time	30 - 45 minutes	(ASTM C-266)
Waiting / Recoat Times	60 - 90 minutes	

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 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.

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-01 Primer Plus is mandatory.
- Well prepared non-absorbent, smooth, sound substrates such epoxies (Sika® MB or Sika® MB Redline) 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

- Pour up to 4 quarts (3.75 L) of potable water (~ 70 °F) 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). If available water is not at this temperature, then consideration should be given to cooling/heating the water.
- As with all pre-bagged cement products, some settlement may have occurred during storage and transportation, blending of the material is recommended.
- Add Sika® Level Patch to the water, while slowly

- mixing, add the complete contents of the bag.
- For partial mixes, use up to 3 parts Sika® Level Patch powder with up to 1 part water by volume. For a creamier mix, use less water.
- Mixing with a low speed electric drill (300–450 rpm) and a mortar / grout style mixing paddle to blend water and powder for approximately 3 minutes, continue mixing until a lump-free uniform mix has been produced.
- Do not over-mix or allow the paddle to rise above the level of material as this will introduce and entrap air into the mix, potentially shortening the working life or causing pin-holes.
- Do not mix more mortar than can be used within the stated pot life and working time, taking into consideration ambient temperatures.

APPLICATION

- Using a flat-edge steel trowel, apply Sika® Level Patch immediately following mixing. Ensure that the compound is tightly trowelled into all defects, seams, and non-moving joints or across roughened surfaces as required.
- Where defects, details or roughened surfaces require repair or reprofiling to a depth greater than 1/2" (13 mm), use the appropriate Sika® Level underlayment.

LIMITATIONS

- For interior use only. Not suitable for exposed repairs or resurfacing.
- Do not exceed the recommended water dosage and use clean potable water.
- Do not install over substrates that contain asbestos.
- Do not apply directly onto gypsum-based floors or similarly, dimensionally unstable substrates.
- Gypsum substrates should always be dry.
- 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.
- Do not use on self-stick tile, particle board, presswood, flake board, 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 and dirt until final floor covering is completely dry.

- Sika® Level Patch does not provide an aesthetic finish and must receive a final floor covering.
- Not a final wear layer surface.

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

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.

DIRECTIVE 2004/42/CE - LIMITATION OF EMISSIONS OF VOC

0 g/l

(EPA method 24)

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.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES.**

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Product Data Sheet

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