

Sika® Level SkimCoat

Fast setting, cement based smoothing and finishing compound

Description	Sika® Level SkimCoat is a one-component, easy to use and fast drying, cementitious skim mortar ideal for the repair or reprofiling of concrete, approved wood subfloors, and correctly prepared ceramic or quarry tiles before the installation of Sika® Level products or final floor coverings. Can be installed as a true featheredge as well as filling voids and leveling defects up to 1/2" (13 mm) in depth.
Where to Use	<ul style="list-style-type: none">■ Used to reprofile substrates or subfloor surfaces from feather edge to 1/2" (13 mm) prior to applying Sika® Level products or floor finishes.■ Repair minor defects, holes, cracks and pre-fill non-moving joints and seams in concrete and wood substrates.■ Suitable for use with radiant heating systems.
Advantages	<ul style="list-style-type: none">■ Easy to prepare and quick to apply.■ Zero VOC's.■ Repairs new and renovate 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.■ No MVER (Moisture Vapor Emission Rate) limits
Coverage	35 sq.ft. at 1/8" depth per 10 lb. bag (3.2 m ² at 3 mm) (Coverage figures do not include allowance for surface profile and porosity or material waste)
Packaging	10 lb (4.5 kg) bag. Pack of 4 bags.

Typical Data (Material and curing conditions @ 70°F (22°C) and 65% R.H.)

RESULTS MAY DIFFER BASED UPON STATISTICAL VARIATIONS DEPENDING UPON MIXING METHODS AND EQUIPMENT, TEMPERATURE, APPLICATION METHODS, TEST METHODS, ACTUAL SITE CONDITIONS AND CURING CONDITIONS.

Shelf Life	1 year from date of production if stored properly in original, un-opened and undamaged sealed packaging.
Storage Conditions	Store dry at 41°-90°F (5°-32°C). Protect from moisture; if damp, discard material.
Application Temperature	Substrate and ambient room temperatures must be above 50°F (10°C) and below 86°F (35°C).
Color	Gray
Mixing Ratio	Up to 2 qts. (1.9 L) of water per 10 lb. (4.5 kg) bag
Application Thickness	Feather edge - 1/2" (13 mm)
Working Time	10 to 20 min.
Setting Times (ASTM C191)	Initial Set - 20 to 30 min. Final Set - 30 to 60 min.
Ready for covering:	20 min at featheredge Min: 16 hours for polyurethane adhesives
Compressive Strength (ASTM C109)	3,700 psi (25 MPa) at 28 days
Flexural Strength (ASTM C293)	1,300 psi (9 MPa) at 28 days
Flammability (ASTM E84)	Flame Spread: 0 ; Smoke Development: 0

Construction



PRIOR TO EACH USE OF ANY SIKA PRODUCT, THE USER MUST ALWAYS READ AND FOLLOW THE WARNINGS AND INSTRUCTIONS ON THE PRODUCT'S MOST CURRENT PRODUCT DATA SHEET, PRODUCT LABEL AND SAFETY DATA SHEET WHICH ARE AVAILABLE ONLINE AT [HTTP://USA.SIKA.COM/](http://USA.SIKA.COM/) OR BY CALLING SIKA'S TECHNICAL SERVICE DEPARTMENT AT 800.933.7452 NOTHING CONTAINED IN ANY SIKA 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 DATA SHEET, PRODUCT LABEL AND SAFETY DATA SHEET PRIOR TO PRODUCT USE.

How to Use

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 penetration of Sika® Level SkimCoat.
- 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.
- Before overall installation begins, Consult Sika® Corporation's Technical Service Department for recommendations.
- **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.

Priming

- Priming is not required when Sika® Level SkimCoat is applied on top of concretes, cement substrates, and some non-porous substrates like ceramic tiles and terrazo
- On gypsum based subfloors, 2 coats of Sika® Level-01 Primer Plus are mandatory.
- Well prepared non-absorbent, smooth, sound substrates such epoxies (Sika® MB or Sika® MB Redline) or concrete treated with silicate products must be primer with Sika® Level-02 EZ Primer before the application of Sika® Level SkimCoat.
- Refer to the respective PDS for complete and detailed instructions on the usage of each Primer.

Mixing

- As with all prebagged cement products, some settlement may have occurred during storage and transportation and dry blending of the material is recommended.
- Pour 2 quarts of potable water (approx 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 70°F, then consideration should be given to cooling/heating the water. Add Sika® Level SkimCoat to the water, while slowly mixing, adding the complete contents of the 10 lb. bag.
- Mixing with a high-speed drill (min 600 rpm) and a mortar/grout mixing paddle to blend water and powder for 2-3 minutes, continue mixing until a lump-free uniform mix has been produced.
- Smaller volumes can also be mixed by hand for 2-3 minutes with a ratio of 3:1 part water.
- Mix until a uniform, lump free and smooth consistency is achieved.

Note: Avoid entrapment of air and excessive mixing as this will impact performance. Do not mix more mortar than can be used within the stated pot life and working time, taking into consideration ambient temperatures.

Application

- The stated ambient and substrate application temperatures are to be achieved before works are started. Where temperatures exceed 86°F (30°C), refer to and follow ACI hot weather application and protection guidelines.
- Using a flat edge steel trowel, apply Sika® Level SkimCoat 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 products.
- Consult Sika® Technical Services for advice or alternative recommendations

Clean Up

- Clean tools in water immediately.



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Disposal	<ul style="list-style-type: none"> ■ Empty packaging and dispose of in accordance with federal, state and local waste disposal regulations
Limitations	<ul style="list-style-type: none"> ■ 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 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 use as a large or deep surface leveler. ■ 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 SkimCoat must be covered with an underlayment or final floor covering. ■ Not suitable for applications where hydrostatic pressure is present. ■ When Sika® MB or Sika® MB Redline is applied, Sika® Level-02 EZ Primer must be used before the application of Sika® Level SkimCoat ■ Applications when Sika® Level SkimCoat is being used between non-porous substrate and non-breathable floor covering using water bond adhesives, follow industry and manufactures guidelines for minimum thickness (typically 1/8") and flash times for adhesives.

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

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

Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product's most current Product Data Sheet, product label and Safety Data Sheet which are available online at <http://usa.sika.com/> or by calling Sika's Technical Service Department at 800-933-7452. Nothing contained in any Sika materials relieves the user of the obligation to read and follow the warnings and instruction for each Sika product as set forth in the current Product Data Sheet, product label and Safety Data Sheet prior to product use.

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 shelf life. User determines suitability of product for intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor. 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. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS. SALE OF SIKA PRODUCTS ARE SUBJECT SIKA'S TERMS AND CONDITIONS OF SALE AVAILABLE AT [HTTP://USA.SIKA.COM/](http://usa.sika.com/) OR BY CALLING 201-933-8800.

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