



Sika® Level® SkimCoat^{CA}

Fast Setting, cement-based skim mortar for thin section repair or re-profiling before Sika Level underlayments or general floor coverings

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| Description | Sika Level SkimCoat ^{CA} is a one-component, easy to use and fast drying cementitious 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 fill and level defects from 1/2 inch (0-13 mm) in depth. |
| Where to Use | <ul style="list-style-type: none"> ■ 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 ■ To skim correctly prepared tiles and stable, non-bleeding adhesive residue ■ Used to re-profile rough substrates or subfloor surfaces from feather edge to 13 mm prior to applying levelers or floor finishes |
| Advantages | <ul style="list-style-type: none"> ■ Easy to prepare and quick to apply ■ Zero VOC content ■ 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 |
| Coverage | Each 10 lb (4.5 kg) bag covers approximately: 100 to 150 ft ² (9 to 14 m ²) over plywood 200 to 250 ft ² (18 to 23 m ²) over concrete. Coverage figures do not include allowance for surface profile and porosity, applied thickness or material waste. |
| Packaging | 10 lb (4.5 kg) bags; 4 per carton |
| How to Use | |
| Surface Preparation | All concrete, cement and ceramic/quarry tile substrates must be dry, clean and stable before applying the skim mortar compound. Remove all existing treatments such as coatings, sealers, wax, latex compounds, impregnations and curing agents, together with all contaminants and loose matter i.e. dirt, dust, laitance, grease, oils, and foreign matter, which will interfere with the adhesion of Sika Level SkimCoat ^{CA} . |

Typical Data (Material and curing conditions @ 73°F (23°C) and 50% R.H.)

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| Shelf Life | 1 year in original, unopened 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 | Mix entire contents of bag (4.5 kg of powder) with up to 1.75 ltrs. of water. For part mixes, use up to 3 parts powder with up to 1 part water by volume. For a creamier mix, use less water. |
| Application Thickness | Featheredge - 1/2 in. (13 mm) |
| Working Time | 15 to 20 min. |
| Setting Times (ASTM 266) | Initial Set - 20 to 30 min. Final Set - 30 to 60 min. |

Drying Time before Covering Once material has hardened sufficiently so that a primer, underlayment or adhesive does not disturb the surface, it may be covered. Drying time will be dependent upon temperature, humidity and the thickness of the skim mortar.

Prepare concrete, cement and ceramic/quarry tile substrates by mechanical means, such as light shotblasting, sanding or other appropriate methods, to remove weak material and achieve a matt, glaze free open-textured, fine-gripping surface (ICRI - CSP 3 minimum).

All subfloors must be structurally stable and well bonded or fastened. Remove all existing treatments such as coatings, sealers, wax, latex compounds, impregnations and curing agents, together with all contaminants and loose matter i.e. dirt, dust, laitance, grease, oils, and foreign matter.

Plywood subfloors 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. Ensure wooden floors are well ventilated from below. Moisture Vapor Emission Rates 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.

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| Mixing | As with all prebagged cement products, some settlement may have occurred during storage and transportation and dry blending of the material is recommended. Mix entire contents of bag (4.5 kg of powder) with up to 1.75 liters of water. For part mixes, use up to 3 parts Sika Level SkimCoat ^{CA} powder with up to 1 part water by volume. For a creamier mix, use less water. Pour cool, potable water into a suitably sized and clean mixing container, using a calibrated measuring jug, or similar, to ensure strict control of the water content (avoid over-watering). Cool water (70°F/21°C) serves to maximize the pot life and working time. Slowly add Sika Level SkimCoat ^{CA} powder to the water while either hand mixing or using a low speed electric mixer (300 to 450 rpm) and mortar/grout mixing paddle to blend water and powder for a minimum of 3 minutes. Mix until a uniform, lump free and smooth consistency is achieved. Mixing with a low speed drill equipped with a mixing paddle produces a more uniform, creamier mix with better workability. Note: Do not overwater and avoid entrapment of air and excessive mixing as this will impact upon 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 ^{CA} 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 13 mm, use the appropriate Sika Level self levelling underlayment. Consult Sika Technical Services for advice or alternative recommendations. |
| 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 gypsum-based floors or, similarly, 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 and dirt until final floor covering is completely dry. ■ Sika Level SkimCoat must be covered with an underlayment or final floor covering. |
| Caution | <p>WARNING: IRRITANT, SENSITIZER. Contains Quartz (SiO₂) (CAS: 14808-60-7), Cement, portland, chemicals (CAS: 65997-15-1), Cement, alumina, chemicals (CAS: 65997-16-2). Causes skin/eye/respiratory irritation. Harmful if swallowed. May cause skin sensitization.</p> <p>WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.</p> |
| Handling & Storage | Avoid direct contact. Wear personal protective equipment (chemical resistant goggles/gloves/clothing) to prevent direct contact with skin and eyes. Use only in well ventilated areas. Open doors and windows during use. Use a properly fitted NIOSH respirator if ventilation is poor. Wash thoroughly with soap and water after use. Remove contaminated clothing and launder before reuse. |
| First Aid | <p>Eyes – Hold eyelids apart and flush thoroughly with water for 15 minutes. Skin – Remove contaminated clothing. Wash skin thoroughly for 15 minutes with soap and water. Inhalation – Remove to fresh air.</p> <p>Ingestion – Do not induce vomiting. Dilute with water. Contact physician. In all cases, contact a physician immediately if symptoms persist.</p> |
| Clean Up | Use water to wash tools and hands immediately following mixing or application. Hardened material may have to be manually or mechanically removed. Use personal protective equipment (chemical resistant gloves/ goggles/clothing). Without direct contact, sweep up spilled or excess product and place in suitable sealed container. Dispose of excess product and container in accordance with applicable local, state, and federal regulations. |

Construction



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

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