



PRODUCT DATA SHEET

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HYDRAULIC CEMENT UNDERLAYMENT

Sika® Level SkimCoat^{CA}

FAST-SETTING, CEMENT-BASED SKIM MORTAR FOR THIN-LAYER REPAIR AND RE-PROFILING APPLICATIONS, FOR USE UNDER Sika® Level UNDERLAYMENTS AND OTHER FLOOR COVERINGS

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 to fill and level defects up to 13 mm (1/2 in) 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 underlayment 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 (1/2 in) prior to applying levellers or floor finishes. 	
Advantages	<ul style="list-style-type: none"> Easy to prepare and quick to apply. May be feather-edged. Zero VOC content. Repairs new and renovates old floors. Good adhesion to substrates, subfloors and stable adhesive residue. Rapid setting: primers, levellers, adhesives and coverings can be applied without delay. Excellent standard of finish achievable: coverings can be applied directly over skim coat. 	
Technical Data		
Packaging	4.5 kg (10 lb) bag, 4/carton	
Colour	Grey	
Yield	Each 4.5 kg (10 lb) bag covers approximately:	
	9 to 14 m ² (100 to 150 ft ²)	Over concrete
	18 to 23 m ² (200 to 250 ft ²)	Over plywood
Shelf Life	Coverage figures do not include allowance for surface profile and porosity, applied thickness or material waste. 12 months in original, unopened packaging. Store dry, ensuring that product is not exposed to rain, condensation or high humidity. For best results, condition product between 18 and 29 °C (65 and 84 °F) before using.	
Mix Ratio	Mix entire contents of bag (4.5 kg [10 lb] of powder) with up to 1.75 L (59 fl. oz) of water. For partial mixes, use 3 parts powder with up to 1 part water by volume. For a creamier mix, use less water.	
Application Temperature (substrate and ambient)	Minimum 10 °C (50 °F)	Maximum 35 °C (95 °F)
Application Thickness	Feather-edge to 13 mm (1/2 in)	
Properties at 23 °C (73 °F) and 50 % R.H.		
Working Time	15 to 20 min	
Setting Times ASTM C266	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.	
VOC Content	0 g/L	
<i>Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.</i>		

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}.
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 wooden subfloors must be structurally stable and well-bonded or fastened. Remove all existing treatments such as sealers, wax, and latex compounds, together with all contaminants and loose matter i.e. dirt, dust, grease, oils, and foreign matter.

Plywood subfloors must consist of exterior-grade wood which complies with Group 1 CC Type, is engineer-approved and is either recommended or warranted by the wood manufacturer or final floor covering supplier. Ensure wooden floors are well ventilated from below. Moisture Vapour Emission Rates of the substrate should comply with the requirements of the proposed floor covering. Test substrates for moisture content and consult the manufacturer of the final floor finish for advice.

Mixing	<p>As with all prebagged cement products, some settlement may have occurred during storage and transportation and dry blending of the material is recommended.</p> <p>Mix entire contents of bag (4.5 kg [10 lb] of powder) with up to 1.75 L (59 fl. oz) of water (maximum). For partial mixes, use 3 parts Sika® Level SkimCoat^{CA} powder with up to 1 part water by volume. For a creamier mix, use less water.</p> <p>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 (21 °C/70 °F) serves to maximize the pot life and working time.</p> <p>Slowly add Sika® Level SkimCoat^{CA} powder to the water, while either hand-mixing or using a low-speed drill (300 to 450 rpm) and mixing paddle. Mix until a uniform, lump-free and smooth consistency is achieved (approximately three (3) minutes). Mixing with a low-speed drill equipped with a mixing paddle produces a more uniform, creamier mix with better workability.</p> <p>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 working time, taking into consideration ambient temperatures.</p>
Application	<p>The stated ambient and substrate application temperatures are to be achieved before work commences. Where temperatures exceed 30 °C (86 °F), refer to and follow ACI hot weather application and protection guidelines.</p> <p>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.</p> <p>Where defects, details or roughened surfaces require repair or re-profiling to a depth greater than 13 mm (1/2 in), use the appropriate Sika® Level underlayment. Consult Sika Canada Technical Services for advice or alternative recommendations.</p>
Curing	<p>Sika® Level SkimCoat^{CA} must be allowed to air cure. Protect from excessive heat and drafts while curing. Do not wet-cure or use curing and sealing compounds.</p>
Clean Up	<p>Clean all tools and equipment after use with water. Once hardened, the product can only be removed mechanically or manually. Wash soiled hands and skin thoroughly in hot soapy water or use Sika® Hand Cleaner.</p>
Limitations	<ul style="list-style-type: none"> ▪ Important: protect stored material from exposure to rain, condensation and high humidity as moisture may penetrate packaging, causing lumps. ▪ For best results, condition product to 18 to 29 °C (65 to 84 °F) prior to mixing and installation. Lower temperatures may result in slower strength development and longer cure times. ▪ Sika® Level SkimCoat^{CA} is for interior use only; it is 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 dimensionally unstable substrates. ▪ Do not use on presswood, flakeboard, metallic or similar substrates and always comply with the final floor covering 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 leveller. Use Sika® Level underlayments for such projects. ▪ Do not expose to adverse drying conditions while curing, and protect from other trades, traffic, dust and dirt until final floor covering is installed. ▪ Do not apply adhesives or floor coverings until the mortar is completely dry. ▪ Sika® Level SkimCoat^{CA} must be covered with an underlayment or final floor covering.
Health and Safety Information	<p>For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent SAFETY DATA SHEET containing physical, ecological, toxicological and other safety-related data.</p> <p>KEEP OUT OF REACH OF CHILDREN</p>

The Information, and in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions, within their shelflife. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request or may be downloaded from our website at: www.sika.ca

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