

Sika® Ceram Self-Leveller

High performance, self-levelling underlayment for ceramic tiles

Product Description	Sika® Ceram Self-Leveller is a self-levelling underlayment which levels interior and exterior floors prior to the installation of ceramic tiles, natural stone, carpet, wood and parquet flooring. Sika® Ceram Self-Leveller can be applied up to 15mm thick in one pour and seeks its own level in minutes. Suitable for a variety of domestic and commercial applications.
Uses	<ul style="list-style-type: none">■ Concrete slabs■ Existing tiles■ Internal and external applications■ Under ceramic tiles and pavers■ Under marble, granite and terrazzo■ Under wood, parquet and carpet■ Use under vinyl and laminated flooring
Advantages	<ul style="list-style-type: none">■ Eliminates bond failure, mildew and crumbling of resilient flooring■ Installation of ceramic tiles possible after 18-24 hours■ Outstanding wetting properties for fleece and fabric backings
Storage and Shelf Life	Unopened bags can be stored for up to 12 months in a cool, dry and weatherproof environment. Bags must be stored off the floor.
Instructions for Use	
Surface Preparation	Surfaces must be structurally sound, clean, dry and free from grease, oil, dirt and other contaminants that would prevent a good bond. Ambient temperature, surfaces and materials should be maintained at temperatures higher than 10°C. Concrete slabs must be fully cured and must accept water penetration. Test by sprinkling water on various areas of the substrate. If water penetrates, then a good bond can be achieved; if water beads, surface contaminants are present, and loss of adhesion may occur. Contaminants should be mechanically removed before installation. Concrete must be free of efflorescence and not subject to hydrostatic pressure. Concrete slabs should have a broomed or brushed finish to enhance the bond. Smooth concrete slabs must be roughened to ensure a good bond.
Priming	<p>Priming porous concrete floors - Sika® Ceram Primer should be stirred before use. Apply to the correctly prepared substrate using a brush or roller. In some circumstances, a second coat of Sika® Ceram Primer may be required. Sika® Ceram Primer must be allowed to dry for approximately 30 minutes at 21°C prior to the application of Sika® Ceram Self-Leveller (dependent on substrate porosity, ambient temperature and relative humidity).</p> <p>Priming non-porous substrates - Mechanically prepare the substrate or use Sika® Ceram Primer. If using Sika® Ceram Primer stir before use and apply to the correctly prepared substrate using a brush or roller. Sika® Ceram Primer must be allowed to dry for approximately 45 minutes at 21°C prior to the application of Sika® Ceram Self-Leveller (dependent on substrate porosity, ambient temperature and relative humidity).</p>
Mixing	Mix the entire 20kg bag of powder with 5.4 litres of clean, cool water. Slowly add powder to the water while mixing with a heavy duty 13mm electric drill and mixing paddle at 500rpm. Thoroughly mix for 2 minutes to a lump-free consistency.

Construction



Application	Pour or pump Sika® Ceram Self-Leveller, then spread with a long handled gauged spreader. Sika® Ceram Self-Leveller will seek its own level during the first 10-20 minutes. For featheredging and touch-ups, use a smoothing tool. Sika® Ceram Self-Leveller can be applied up to 15mm thick in one application. If a second layer is required, install immediately after the first layer has set to a walkable hardness. If the first layer has dried over 12-14 hours, re-prime with Sika® Ceram Primer before the second application of Sika® Ceram Self-Leveller.
Coverage	20kg bag of Sika® Ceram Self-Leveller will cover approximately 4m ² at 3mm thick.
Drying	After final set Sika® Ceram Self-Leveller dries to a walkable hardness in approximately 12-14 hours at 21°C. Allow 18-24 hours at 21°C prior to the application of ceramic tiles or stone. Allow 24 hours at 21°C prior to the application of impervious floor coverings and wood flooring. For temperatures below 20°C, allow the product to cure for an extended period of time. Test for moisture content before applying vinyl or wood flooring. Drying time is dependent on temperature, relative humidity and bed thickness of Sika® Ceram Self-Leveller.
Cleaning	Clean tools and equipment with warm water and detergent while the product is still wet.
Limitations	<ul style="list-style-type: none"> ■ Do not use Sika® Ceram Self-Leveller over lightweight concrete, particleboard, hardwood floors, parquet floors or metal ■ Do not mix or apply Sika® Ceram Self-Leveller in temperatures below 10°C and above 35°C and under hot and windy conditions ■ Not recommended as a trafficable surface ■ Do not use on sloped surfaces that require drainage
Technical and Physical Data	
Packaging	20kg units
Flow Time	30 minutes
Pot Life (ASTM C191)	45 minutes @ 21°C
Initial Set (ASTM C191)	2 hours @ 21°C
Final Set	3.5 hours @ 21°C
Walkable Hardness after Final Set	12-14 hours
Compressive Strength (ASTM C109)	1 day cure - 16.5MPa 28 day cure - 30.3MPa
Flexural Strength (ASTM C109)	28 day cure - 6.98MPa
Robinson-type Floor Test (ASTM C627)	Extra heavy rating



Safety Directions

Avoid contact with skin and eyes. Wear overalls, safety shoes, impervious gloves and safety glasses. Use only in well ventilated areas. No smoking. Avoid contact with foodstuffs, and sources of heat and ignition. Wash hands after use. Store in a cool place and out of direct sunlight. Store away from oxidising agents. Keep containers closed when not in use. Do not empty into drains. If involved in a fire use water, fog, foam or dry agents. Avoid breathing products of combustion. Clean up all spills immediately. Avoid contact with skin and eyes. Wear impervious gloves and safety goggles. Trowel up/scrape up and place spilled material in clean, dry, sealed container. Flush spill area with water. If poisoning occurs, contact a doctor or Poisons Information Centre: Australia - 13 11 26, New Zealand - 0800 764 766. Do not reuse container unless thoroughly decontaminated. See the Sika Material Safety Data Sheet (MSDS) for additional information. Contact 1800 033 111 (24/7) for emergency information. If swallowed, do not induce vomiting. Immediately give a glass of water. First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor. Immediately irrigate with copious amount of water for 15 minutes if have come in contact with eyes. Eyelids to be held open. Urgently seek medical advice. If skin or hair contact occurs, flush skin and hair with running water and soap if available. Seek medical attention in event of irritation. If fumes or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary. Seek medical advice if in doubt.

Important Notification

The information, and, in particular, the recommendations relating to the application and end-use of Sika's 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. 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 written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject of our terms and conditions of sale. Users should always refer to the most recent issue of the Australian version of the Technical Data Sheet for the product concerned, copies of which will be supplied on request. Sika Australia Pty. Ltd. guarantee this product for 12 years provided application is in accordance with manufacturers written directions for use and the Australian Standard for Tiling Practice (AS 3958.1 - 2007). The representations and recommendations regarding the products are based on tests which we believe to be reliable. However, no guarantee of their accuracy can be made because of the great range of field conditions and variations encountered in raw materials, manufacturing equipment and methods. Thus, the products are sold with a limited warranty only, and on the condition that purchasers will make their own tests to determine the suitability of the product for their particular purposes. Under no circumstances will Sika Australia Pty. Ltd. be liable to anyone except for replacement of the products or refund of the purchase price.

PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.



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