

Sikafloor®-Level-25 (au)

Cementitious Self Smoothing Sub-Floor Screed

Construction

Description	Sikafloor-Level-25 (au) is a one part, polymer modified, pumpable self smoothing cementitious industrial grade screed.
Uses	<ul style="list-style-type: none">■ Sikafloor-Level-25 (au) is a versatile and durable sub-floor cementitious screed which can be applied manually or by pump to achieve rapid, flat, economic substrate levelling prior to the application of the final floor finish.■ Typical uses are in warehouses, factories, manufacturing facilities, hospitals, commercial buildings, even residential and domestic properties etc.■ For "weekend" floor repairs.■ Levelling pre-cast concrete planks.
Advantages	<ul style="list-style-type: none">■ Self smoothing and highly fluid.■ Pump or manual application.■ Rapid drying.■ 4 hours walk on time at 20°C.■ Low odour.■ Low installed cost.■ Excellent bonding capabilities with Sikafloor epoxy systems and SikaBond timber flooring adhesives over the top.
Storage and Shelf Life	Approximately twelve (12) months from date of manufacture when stored in its unopened original containers in a cool, dry place.
Instructions for Use	
Surface Preparation	<p>The surface must be clean and free from all traces of loose material, old coatings, curing membranes, release agents, laitance, oil and grease etc. Surface must be dry and free of standing water.</p> <p>Substrate compression strength should be at least 20MPa.</p> <p>Structurally unsound layers and surface containments must be mechanically removed. Captive shot blasting followed by vacuuming to remove dust is the preferred method for large areas.</p>
Priming	<p>Priming with SikaLevel®-Pro Primer is essential to ensure good adhesion and reduce air release from the substrate.</p> <p>Apply SikaLevel®-Pro Primer by roller ensuring complete wetting out of the substrate. More than one coat of SikaLevel®-Pro Primer may be required, depending on the substrate. The primed substrate should be of a uniform consistency in a tacky condition at the time of applying the Sikafloor®-Level-25 (au).</p> <p>For very smooth e.g. steel trowel finished surfaces, grind surface prior to priming. For very porous substrates use Sikafloor®-160 broadcast with Sikadur®-505 aggregate and allow to cure.</p>
Mixing	<p>Sikafloor®-Level-25 (au) should be mixed using a drill and suitable paddle or a continuous mixer/pump such as a Putzmeister machine.</p> <p>To each 20kg bag of Sikafloor®-Level-25 (au), add 4.2 litres of clean water and mix until a homogenous, self smoothing consistency is achieved.</p> <p>Always add the powder to the water while mixing slowly to avoid the formation of lumps.</p> <p>Mix for 3 to 5 minutes when mixing individual bags. Excess water in the mix will promote bleeding and segregation of the mix and result in lower strengths as well as shrinkage cracking.</p>
Curing	Sikafloor®-Level-25 (au) is self-curing, but as with all cementitious products in hot weather, take adequate measures to protect it from exposure to direct sunlight and hot winds. The application of curing membrane or water is not necessary.



Cleaning	Clean all tools and equipment immediately after use with water. Once hardened, the material can only be removed mechanically. If in contact with hand and skin, thoroughly wash in hot, soapy water.
Application	<p>Apply the Sikafloor-Level-25 (au) to the primed substrate using a trowel squeegee, spreading rake or screed bar to give the required finish thickness. The product can also be applied by pump. Refer to Sika's technical department for full information. Thoroughly spike roller in two directions to remove trowel marks and any entrapped air.</p> <p>Maximum thickness applied in one application is 25mm. If 2 or more layers are required, primer must be applied between layers.</p> <p>Feather edging is possible with the aid of rubbing stone or other suitable abrading medium.</p>

Technical and Physical Data

Form	Powder: Light grey powder
Set Times	Initial set: 40 minutes Final set: 54 minutes
Compressive Strength	1 day > 16 MPa 7 days > 43 MPa 28 days > 50 MPa
Consumption	Primer: 5 to 7m ² per litre depending on surface texture and porosity. Sikafloor-Level-25 (au): 20 kg bag will yield 11.3 litres. Coverage: Approx. 2.30m ² at 5mm thickness.
Limits on Application	<ul style="list-style-type: none"> Do not use Sikafloor-Level-25 (au) in areas subject to rising damp or in wet areas. Maximum air and substrate temperature 35°C Minimum air and substrate temperature 10°C Use only on cementitious substrates. Do not use outdoors. Do not exceed the recommended water dosage. Exposure to hot dry winds may produce surface crazing.
Packaging	SikaLevel [®] -Pro Primer: 5 and 20 Litres Sikafloor [®] -Level-25 (au): 20kg bags
Handling Precautions	<ul style="list-style-type: none"> Avoid contact with skin and eyes. Wear protective gloves and eye protection during work. If skin contact occurs, wash skin thoroughly. If in eyes, hold eyes open, flood with warm water and seek medical attention without delay. Avoid contact with foodstuffs and utensils. A full Material Safety Data Sheet is available from Sika on request.

Notes

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.

PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.

