

## PRODUCT DATA SHEET

# Sikafloor®-132 Level Rapid

Rapid setting self levelling compound.

## PRODUCT DESCRIPTION

Sikafloor®-132 Level Rapid is a 1-part, cementitious, polymer-modified, fast setting, smoothing and levelling compound for uneven rigid internal floors and ideal for applications where same day covering is required. Suitable for use with many flooring finishes such as carpets, vinyl, wood block flooring, ceramic tiles and laminate flooring.

## USES

Can be laid over most common substrates:

- Concrete.
- Cementitious screeds (not anhydrite).
- Quarry tiles, terrazzo and ceramic tiles.
- Other rigid subfloors.

## CHARACTERISTICS / ADVANTAGES

- Rapid Setting.
- Low shrinkage.
- Easy to apply.
- Great workability.
- Fast setting and drying, can be overlaid with loose lay flooring in as little as 45 mins at +20 °C.
- 30 minutes approx. walk on time, at 3mm thickness and +20 °C.
- Good surface appearance and hardness.
- Protein free, therefore suitable for use in biologically sensitive applications.
- Suitable for use with underfloor heating applications beneath heating systems, with maximum surface temperature of +27 °C.

## ENVIRONMENTAL INFORMATION

Created with a low cement formulation, using supplementary cementing materials for a more environmentally friendly option.

## APPROVALS / STANDARDS

Conforms to the requirements of EN13813 CT-C35-F7.

## PRODUCT INFORMATION

<b>Packaging</b>	16 kg Bag.
<b>Shelf Life</b>	6 Months.
<b>Storage Conditions</b>	Material should be stored under cover, off the ground and in dry conditions (between +5 °C and +35 °C). Use of this product after the end of the declared storage period may increase the risk of allergic reaction.
<b>Appearance / Colour</b>	Grey Powder.
<b>Density</b>	ca 2.0 kg/L (fresh mortar)

## TECHNICAL INFORMATION

Compressive Strength >35 N/mm<sup>2</sup> (after 28 days / +20 °C EN13892-2)

Flexural Strength 7 N/mm<sup>2</sup> (after 28 days / +20 °C EN13892-2)

## APPLICATION INFORMATION

Yield 16 kg powder covers approx. 3 m<sup>2</sup> at a depth of 3 mm.  
1.79 kg powder / m<sup>2</sup> / mm.

Layer Thickness 2 mm to 10 mm.

Ambient Air Temperature +5 °C to +25 °C.

Relative Air Humidity 75 % max.

Mixing Ratio 2.6 to 2.8 litres of water required per 16 kg bag.

Substrate Temperature +5 °C to +25 °C.

Pot Life 5-10 mins approx. after mixing at 20 °C.

Setting time 30 mins for foot traffic (3 mm thickness at +20 °C).

Waiting Time / Overcoating Loose lay flooring from 45 mins. (3 mm thickness at +20 °C).  
Bonded floor coverings from 3 hours. (3 mm thickness at +20 °C).  
**NOTE:** Values are approximate, thickness and temperature may affect properties. When overcoating Sikafloor®-132 Level Rapid always ensure the moisture content has achieved the required value for the coating product, as the waiting time will vary with the application thickness and ambient humidity (refer to the product data sheet of the over/ top coat product).

## VALUE BASE

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## LIMITATIONS

- Sikafloor®-132 Level Rapid is not designed as a final wearing surface and must be covered with a floor covering.
- Not to be used on flexible or unstable substrates.
- Do not use over vinyl coverings, insulation/building boards, anhydrite screeds etc.
- Not suitable for use over large areas of internal timber floors.
- Do not use on floors with rising damp.
- Do not use as a DPM.
- Porous substrates must be sealed to prevent pin holing and cracking.
- Never exceed water quantity stated.
- Do not add any other materials to the mix.
- Do not use externally (for internal use only).
- Do not use for embedding underfloor heating systems.
- Suitable for use with underfloor heating applications beneath heating systems, with maximum surface temperature of +27 °C.
- For substrate or technical advice please contact 08081 410 715.

## ECOLOGY, HEALTH AND SAFETY

Please refer to the latest Safety Data Sheet.

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

- Concrete/screed should be at least 28 days old.
- The surface must be dry, clean, structurally sound and possess an effective damp proof membrane.
- The surface should be free from residual adhesives, oil, grease, wax, loose flaky paint, dust, laitance etc. that could reduce adhesion.
- Mix Sikafloor®-132 Level Rapid with water as directed and apply to the primed sub floor.
- Always add Sikafloor®-132 Level Rapid to water, not the other way around.
- Ensure floor temperature is ≥5 °C.
- Switch off underfloor heating at least 48 hours before, and for 48 hours after, application.

## SUBSTRATE QUALITY / PRE-TREATMENT

### POROUS CONCRETE/SCREED

Seal surface with SikaBond® PVA+ (1 part PVA to 4 parts clean water) ensuring surface is well coated, then allow to dry. For highly porous substrates it may be necessary to apply more than one coat to prevent pinholes and cracking/debonding of Sikafloor®-132 Level Rapid.

### NON POROUS SUBSTRATES

Non porous/dense substrates such as ceramic/quarry tiles, terrazzo and smooth concrete etc. will require mechanically roughening of the surface by grinding or scarifying, in order to provide a mechanical key, prior to application.

## MIXING

- Mix Sikafloor®-132 Level Rapid with clean water only.
- Slowly add powder to water. 16 kg powder will require 2.6 to 2.8 litres of water.
- Mix in a suitable clean container using a mechanical mixer with a spiral mixing paddle at medium speed until fully mixed and a smooth consistency achieved.
- If the product starts to stiffen or set, DO NOT try to remix or add extra water.
- Working time: 5-10 minutes approx. after mixing at +20 °C.

## APPLICATION

- Sikafloor®-132 Level Rapid can be applied from a maximum thickness of 10 mm down to 2 mm thickness.
- On large projects, it is advisable to work in teams of 2 to ensure applications to existing wet edges can be maintained.
- Pour the mixed product onto the primed floor and spread evenly with a steel trowel.
- Immediately add further quantities of mixed product to give the desired thickness.
- Trowel marks should flow out of the product to leave a smooth finish.
- If required use a spiked roller, within working time, to provide a more uniform surface appearance.

## CURING TREATMENT

Eliminate any through-draughts or strong sunlight which can cause moisture loss.

## CLEANING OF TOOLS

All tools and equipment should be cleaned immediately with water before levelling compound hardens.

## LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

## LEGAL NOTES

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 in accordance with Sika's recommendations. 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 user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. 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.

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