

## PRODUCT DATA SHEET

# SikaScreed®-46 Terrazzo Filler

Rapid hardening cementitious pore filler for closing pores and shrinkholes

### DESCRIPTION

Rapid-hardening terrazzo pore filler for closing pores and shrinkholes from SikaScreed® -45 Terrazzo Binder. Suitable for use in hot and tropical climatic conditions.

### USES

- System pore filler for the SikaScreed® -45 Terrazzo Binder
- Closing pores and shrinkholes
- For repairing small breakouts

### FEATURES

- Easy and quick mixing
- Self-leveling and good venting properties
- Easy application by hand or machine
- Light grey color, individual coloring with suitable oxide powder pigments
- Can be grinded after >2 hours
- Can be combined with SikaScreed® -45 Terrazzo Binder System

### SUSTAINABILITY

- VOC-free special cement-based pore filler

### CERTIFICATES AND TEST REPORTS

- EC-1<sup>PLUS</sup> EMICODE
- Fire classification acc. EN 13501-1, Class A1

### PRODUCT INFORMATION

<b>Product declaration</b>	Special ternary cement filler – Never mix with other cements!	
<b>Packaging</b>	Bags	25 kg
	Pallets	40 * 25 kg (= 1000 kg)
<b>Shelf life</b>	9 months from date of production, in unopened packaging	
<b>Storage conditions</b>	SikaScreed®-46 Terrazzo Filler must be stored in original, unopened, and undamaged, sealed packaging in dry conditions at temperatures between +5 °C and +30 °C. Opened bags must be resealed immediately for any future use.	
<b>Appearance and colour</b>	White, light grey	
<b>Bulk density</b>	~ 0,9 kg/Liter	

## APPLICATION INFORMATION

<b>Consumption</b>	~ 0.3 kg/m <sup>2</sup> per working step <b>Note:</b> The indicated consumption can vary greatly depending on the number and size of pores, as well as the application method (manual or by machine) and the number of working steps.
<b>Ambient air temperature</b>	≥ 8°C ≤ 30°C The specified temperatures must not be exceeded or fallen below during installation and for at least 3 days after installation.
<b>Mixing ratio</b>	7,5 - 8,8 Liter water/bag (25 kg) by means. (0,30 - 0,35 Liter water/kg) <b>Note:</b> All externally sourced materials such as dust, cements, and color pigments, must be checked and tested appropriately before use e.g. to confirm their effects/long-term behavior and suitability. This is the responsibility of the contractor. No warranty is given by Sika for external components/materials, or Sika products mixed with external materials. <b>Coloring:</b> The maximum possible dosage of suitable powder oxide pigments is < 7% on the filler weight. For approximate color matching with the already colored SikaScreed -45 Terrazzo Binder, the factor x 1.7 more pigment can be added than needed for the binder.
<b>Substrate temperature</b>	≥ 8°C ≤ 30°C The specified temperatures must not be exceeded or fallen below during installation and for at least 3 days after installation.
<b>Pot Life</b>	at +20 °C ~ 30 - 40 minutes
<b>Curing time</b>	at +20 °C ~ 120 minutes <b>Note:</b> Lower temperatures prolong and higher temperatures shorten pot life and curing time. Adding additional water during application also prolongs pot life and curing time.
<b>Waiting time</b>	walkable at +20 °C ≥ 1 hour grindable (dry) at +20 °C ≥ 2 hours <b>Professional finishing, impregnation and/ or sealing works</b> After finishing grinding and pore filling work, which must be defined in advance by the contractor or the client, the floor must be professionally wet cleaned. For sealing or impregnating work, the relevant product data sheets and processing instructions must be consulted. <b>Sika components of the terrazzo floor</b> Appearance and closing of the pores are significantly influenced by the way of application and surface treatment. SikaScreed®-46 Terrazzo Filler may only be applied by professional terrazzo installers and after previous test surface application.

## BASIS OF PRODUCT DATA

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

## IMPORTANT CONSIDERATIONS

Protect the setting pore filler from direct sunlight, draughts, frost, rain and high room temperatures (> +30 °C).

## ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY

The substrate to be filled must be even, damp, dust-free and free of oil and grease. It is imperative that the pores and shrinkholes are cleaned of grinding dust. For this purpose, the surface can be briefly flooded with clean water and the excess water must be immediately removed with a wet vacuum cleaner.

### SUBSTRATE PREPARATION

The desired degree of grinding should, whenever possible, be achieved before applying the pore filler to avoid excessive filler consumption.

The substrate should be sufficiently pre-wetted before application but avoid leaving standing water puddles. The pore filler mixed and applied in excess should be replaced at regular intervals to avoid mixing with external dust particles.

### MIXING

SikaScreed®-46 Terrazzo Filler can be mixed with suitable oxide powder pigments and clean drinking water. The clean and previously weighed mixing water should be placed in a bucket and during the powder component is evenly added, the filler can be mixed by using a single hand mixer. It is recommended to mix the filler homogeneously and without lumps until the desired consistency is achieved. Colored batches must be re-constructed 100% identically to obtain a uniform pore structure in the project / building.

## APPLICATION

### Manual application

Manual application of the self-leveling pore filler is carried out by means of a blade trowel and should be worked into the pores in uniform and repeating movements.

The substrate must be kept damp/wet also during the application of the pore filler. If necessary, moisten the floor again with clean water using a microfiber mop or a low-pressure sprayer. A creamy not too wet film should be produced and "burning" of the filler on the dry floor must be prevented.

After > 2 hours waiting time, the dried and matt pore filler film, can be removed by grinding machine and only dry.

Depending on the number and size of the pores and sinkholes as well as the incidence of light on the floor and the expectations of the client/planner, several working steps must be planned.

### Machine application

The self-leveling pore filler is applied by machine using a single-disc machine with a suitable rubber blade. After spreading the filler on the matt damp surface, the pore filler can be immediately and evenly worked in by machine.

The substrate must be kept damp/wet also during the application of the pore filler. If necessary, moisten the floor again with clean water using a microfiber mop or a low-pressure sprayer. A creamy not too wet film should be produced and "burning" of the filler on the dry floor must be prevented.

After > 2 hours waiting time, the dried and matt pore filler film, can be removed by grinding machine and only dry.

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## 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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All products are supplied under a management system certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and ISO 45001.



### Product Data Sheet

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