

## PRODUCT DATA SHEET

# Sikafloor® QuartzTop-135 PG (ID)

Pumpable and pourable mortar for flooring overlay

### DESCRIPTION

Sikafloor® QuartzTop-135 PG (ID) is a ready-to-use, pumpable, pourable, screedable, and high-strength cement-based overlay for indoor and outdoor flooring. Sikafloor® QuartzTop-135 PG (ID) is suitable for levelling rough and uneven concrete floors in a thickness layer from 10 - 20 mm. Sikafloor® QuartzTop-135 PG (ID) is formulated with Portland cement, reinforced with synthetic fibers and aggregates.

### USES

Sikafloor® QuartzTop-135 PG (ID) may only be used by experienced professionals.

- Use on rough concrete and cementitious floor screeds, as well as other suitable substrates.
- Industrial floors with normal loading.
- Where a mortar with high final strength similar in colour to concrete is desired.
- Reprofiling of horizontal surfaces as industrial inside, and outside floors, etc.

### FEATURES

- An economical, ready-to-use cement-based flooring overlay, that hardens free of bleeding at following consistency: from flowable to high plastic.
- A mortar that retains good workability for approximately 20 minutes at +30 °C.
- A ready-to-use product, water is added on site.
- The use of a high-yield mortar pump (screw pump) allows the prepared product to be pumped without segregation.
- Can simply be poured out and distributed.
- The mortar will cure without blistering.

### PRODUCT INFORMATION

Packaging	25 kg bag
Appearance and colour	Cement grey powder
Shelf life	9 months from date of production
Storage conditions	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +10 °C and +30 °C.
Density	~2.25 kg/L

### TECHNICAL INFORMATION

Compressive strength	28 days	≥ 60 N/mm <sup>2</sup>	(ASTM C-109)
Flexural-strength	28 days	≥ 6 N/mm <sup>2</sup>	(ASTM C-348)

<b>Tensile adhesion strength</b>	28 days	≥ 1.5 N/mm <sup>2</sup> Highly dependent on performance of bonding agent. (concrete failure)	(ASTM C1583/C1583M)
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## APPLICATION INFORMATION

<b>Consumption</b>	3 – 3.5 liters of water in 25 kg bag of Sikafloor® QuartzTop-135 PG (ID)
<b>Yield</b>	12.5 - 12.6 L per 25 kg bag
<b>Layer thickness</b>	10 mm to 20 mm
<b>Ambient air temperature</b>	+10 °C to +35 °C
<b>Relative air humidity</b>	80%
<b>Substrate temperature</b>	+10 °C to +35 °C
<b>Application time</b>	~20 minutes at +30 °C

## SYSTEM INFORMATION

System structure	Application	Product
	Bonding Agent	Epoxy/SBR based products
	Screed	Sikafloor® QuartzTop-135 PG (ID) + Clean Water

## 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.

## 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 PREPARATION

- Prepare substrates and remove separation and sinter layers mechanically by selecting and using abrasive blast cleaning, grinding or planing / scarifying equipment for the type of substrate.
- The final texture of the substrate must be open textured and gripping.
- Remove weak cementitious and levelling layers. Surface defects such as blow holes and voids must be fully exposed using the surface preparation equipment.
- Use products from the Sikafloor®, Sikadur® and Sikagard® range of materials to level the surface or fill cracks, blow holes and voids. Contact Sika Technical Services for additional information on products for levelling and repairing defects.
- Use industrial vacuuming equipment to remove all

dust, loose and friable material from the application surface before applying the product.

- To improve the adhesion and provide a pore free surface for subsequent coverings, use suitable bonding agent.

### MIXING

#### Important:

Do not add more than 3 – 3.5 liters of water to 25 kg of powder.

Do not mix or blend with other binders.

In case of higher water temperature, the water could be cooled down by using clean ice. Requirement: Use an electric single or double paddle mixer (< 600 rpm) with helical disc-shaped mixing paddle.

- Pour ~3 – 3.5 of clean water into a clean mixing container.
- Mix the water slowly while gradually adding the complete bag of powder.
- Mix continuously for ~3 minutes to achieve a smooth, uniform mix. If necessary, adjust water content ratio in range to achieve the required consistency.
- To allow entrained air to escape and mature, pour mixed materials into another container or leave mixed for a further ~15 to 30 seconds. Then Pour the mixed product onto the prepared concrete substrate.

### APPLICATION

#### Important:

To reduce the risk of cracking, protect freshly applied product from high ambient temperatures, direct sunlight and draughts.

Like any other cementitious floor product, good jointing and curing practice must be implemented to minimize surface crack.

- Pour the mixed product onto the substrate. Spread the product evenly using a smoothing trowel, surface blade, screed rake or pin-leveller (pin-rake) to the required thickness.
- Allow product to smoothen over the substrate. If required, spike roller immediately to remove any trowel marks or surface defects.
- Product can be pumped with the suitable equipment.

## CLEANING OF EQUIPMENT

Clean all tools and application equipment with water immediately after use. Hardened material can only be mechanically removed.

## 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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