BUILDING TRUST

PRODUCT DATA SHEET

Sikafloor®-263 SL Décor

EPOXY SELF SMOOTHING DECORATIVE SCREED

DESCRIPTION

Sikafloor®-263 SL Décor System is a self-smoothing epoxy based 3 mm thick screed. It is composed of Sikafloor®-263 SL HC resin high performances solvent free epoxy resin mixed with selected quartz sand and coloured special Sikafloor® Décor Granules giving an endless combination of decorative finishes.

USES

Sikafloor®-263 SL Décor may only be used by experienced professionals.

For the production of decorative self-smoothing floors on concrete and cement screeds with normal up to medium heavy wear e.g. storage and assembly halls, laboratories, pharmaceutical industry, canteens, offices, shops etc.

FEATURES

- Decorative with endless finish combination achievable
- Good chemical and mechanical resistance
- Easy application
- Economical
- Solvent-free
- Tight, semi glossy surface
- Matt finish possible

PRODUCT INFORMATION

Composition	Part A & B	Epoxy
	Part C	Quartz sand
	Part D	Polymer
Packaging	Total pack size: 17 kg per set.	
	Part A:	7.9 kg can
	Part B:	2.1 kg can
	Part C*:	5 kg bag
	Part D:	2 kg bag
	Note : C* = 0.02 kg of Sika® Extender T included in part C.	
Appearance and colour	Part A:	Pigmented; liquid
	Part B:	Transparent; liquid
	Part C:	White; quartz sand
	Part D:	White, Black; inert fillers
	Sikafloor®-263 SL Décor system is available in 5 Standard Colours: light grey 7035, grey 7032, belge 1001, blue 5012, and green 6011. For colour inquires and more information, please consult our Technical Sales Engineer for further details. Under direct UV exposure (sun, lamp, skylight, etc.) there may be some discolouration and colour deviation, this has no influence on the function and performance of the coating.	

Shelf life	Part A	24 months from the date of production*	Must be protected from frost.
	Part B	24 months from the date of production*	Must be protected from frost.
	Part C	60 months from the date of production*	Must be protected from humidity.
	Part D	60 months from the date of production*	Must be protected from humidity.

Notes : *If stored properly in original, unopened and undamaged sealed packaging.

Storage conditions	Store in dry conditions at temperatures between +18 °C and +30 °C.
Density	Sikafloor®-263 SL Décor (all component mixture) : ~1.6 kg/L All Density values at +23 °C.
Solid content	Resin: ~100 % (by volume) / ~100 % (by weight)

TECHNICAL INFORMATION

Shore D Hardness	Cured at 7 days (+23 °C)	75	(DIN 53 505)
Abrasion resistance	Cured at 7 days (+23 °C)	22 mg (CS10 wheel/1000 gram load/1000 cycles)	(ASTM D-4060)
Compressive strength	Cured at 28 days (+23 °C)	60 N/mm², Resin (Part A+B)	(EN 196-1)
Flexural-strength	Cured at 28 days (+23 °C)	30 N/mm², Resin (Part A+B)	(EN 196-1)
Tensile adhesion strength	>1.5 N/mm²	(failure in concrete)	(ISO 4624)

Chemical resistance

Resistant to many chemicals. Please ask for a detailed chemical resistance table.

Temperature resistance

Exposure*	Dry heat
Permanent	+50 °C
Short-term max. 7 d	+80 °C
Short-term max. 12 h	+100 °C

Short-term moist/wet heat* up to +80 °C where exposure is only occasional (steam cleaning etc.)
*No simultaneous chemical and mechanical exposure.

APPLICATION INFORMATION

Consumption

System	Product	Consumption
Primer	Sikafloor®-161 HC	1-2 x 0.15-0.35 kg/m²
Levelling (optional)	Sikafloor®-161 HC levelling mortar	Refer to PDS of Sikafloor®-161 HC
Self-smoothing wearing course (Film thickness ~3.0 mm)	Sikafloor®-263 SL Décor (A + B + C + D)	For a 3 mm DFT: 4.8 kg/m²
Matt Sealer (optional)	Sikafloor® product range	Refer to specific PDS Sikafloor®

Levelling (scratch coat) is optional, depending on substrate conditions, but it is necessary to have a good floor flatness to achieve best Sikafloor®-263 SL Décor Systems aesthetic.
Use of Sikafloor® matt sealer product range, clear matt sealer is recommended when improved UV stability and scratch resistance are required. (please consult product data sheet).
These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level and wastage etc.

Ambient air temperature	+18 °C min / +30 °C max
Relative air humidity	80 % r.h. max.

Dew point	Beware of condensation! The substrate and uncured floor must be at least 3 °C above dew point to reduce the risk of condensation or blooming on the floor finish.
Substrate temperature	+18 °C min. / +30 °C max.
Substrate moisture content	≤ 4 % pbw moisture content. Test method: Sika®-Tramex meter or CM-measurement. No rising moisture according to ASTM (Polyethylene-sheet).

Pot Life

Temperature	Time
+20 °C	~25 min
+30 °C	~15 min

Applied product ready for use

Temperature	Foot trafic	Light trafic	Full cure
+25 °C	~24 hours	~3 days	~7 days
+35 °C	~16 hours	~2 days	~5 days

SYSTEM INFORMATION

Systems	Self-smoothing system 3.0 mm: Primer: 1-2 x Sikafloor®-161 HC Wearing course: 1 x Sikafloor®-263 SL Décor Matt sealer (optional) : 1 x Sikafloor® matt sealer product range

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

- Before the application of a Sikafloor®-263 SL Décor system, and due to the wide variety of colour and pattern achievable, it is highly recommended that a reference area to be applied. This reference area must be assessed and accepted by the contractor/client.
- Do not apply Sikafloor®-263 SL Décor System on substrates in which significant vapour pressure may occur.
- Do not apply on substrate surfaces with a slope > 1 %.
- Do not blind the primer.
- Freshly applied Sikafloor®-263 SL Décor must be protected from damp, condensation and water for at least 24 hours.
- Avoid puddles on the surface with the primer.
- The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking.
- For achieving best aesthetic finish, ensure the Sikafloor®-263 SL Décor in each area is applied from the same control batch numbers.
- Under UV-exposure some discolouration (yellowing) shall occur, however this has no influence on the function and performance of the floor.
- For coving, it is recommended to use either pre-fabricated elements (for ease of application) or to use an epoxy mortar made of Sikafloor®-161 HC with top sealing coat(s) of Sikafloor®-264 HC, colored epoxy resin (please consult our respective product data sheets).

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 / PRE-TREATMENT

- Concrete substrate must be sound and sufficient compressive strength (minimum 25 N/mm²) with a minimum pull off strength of 1.5 N/mm².
- The substrate must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc.
- Concrete substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and achieve an open textured surface.
- Weak concrete must be removed and surface defects such as blow holes and voids must be fully exposed.
- Repairs to the substrate, filling of blowholes/voids and surface levelling must be carried out using appropriate products from the Sikafloor®, Sikadur® and Sikagard® range of materials.
- The concrete or screed substrate has to be primed or levelled in order to achieve an even surface.
- High spots must be removed by e.g. grinding.
- All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush or vacuum.

MIXING

1. Prior to mixing, stir part A mechanically using low speed (100 – 200 rpm) for 30 seconds.
2. Before adding part B into part A, please be aware that there is a component of Sika® Extender T inside the part C and have been taken out from packaging before pouring.
3. Add Sika® Extender T (included on part C) into pre-mixed A while mix until homogeneous (~1 – 1.5 minutes), please ensure there are no lumps.
4. Add slowly part B into mixed part A and Sika® Extender T, mix continuously for 1 minutes until uniform mix has been achieved.
5. When parts A (+Sika® Extender T) and B have been mixed, Add part C and D and carry out additional mixing for 2 minutes until a uniform consistency has been achieved. Please ensure decorative filler has been uniform in distribution.
6. To ensure thorough mixing pour materials into another container and mix again to achieve a consistent mix.
7. For mixing step 2 until 5, use hand mixer with low to medium speed (300-400 rpm) to mix the part A with part B, part C, and D.
8. Over mixing must be avoided to minimize air entrainment.

MIXING TOOLS

Sikafloor®-263 SL Décor must be mechanically mixed using an electric power stirrer (100 – 200 rpm) and (300 - 400 rpm) or other suitable equipment.

APPLICATION

Prior to application, confirm substrate moisture content, r.h. and dew point.
If > 4% pbw moisture content, Sikafloor® EpoCem® may be applied as a T.M.B. (temporary moisture barrier) system.

Levelling:
Rough surfaces need to be levelled first. Therefore use e.g. Sikafloor®-161 HC levelling mortar (see PDS).

Self-smoothing wearing course:
Sikafloor®-263 SL Décor mixture is poured, spread evenly by means of a large surface scraper (preferably with pins rather than teeth). The scrapper is then turned down for gently smoothing the spread material.
Roll immediately in two directions with a spiked roller to ensure even thickness and to remove entrapped air

Matt Sealer Coat (if needed):
For areas to be particularly exposed to traffic, light grinding of Sikafloor®-263 SL Décor prior application of Sikafloor® matt sealer product range can be recommended. On a clean, dustfree surface, Sikafloor® matt sealer product range shall then be uniformly spread and apply using short pile nylon roller. Please consult product data sheet for mixing and application details.

CLEANING OF EQUIPMENT

Clean all tools and application equipment with Thinner C immediately after use.
Hardened / cured material can only be mechanically removed.

MAINTENANCE INSTRUCTIONS

CLEANING

To maintain the appearance of the floor after application, Sikafloor®-263 SL Décor System must have all spillages removed immediately and must be regularly cleaned using rotary brush, mechanical scrubbers, scrubber dryer, high pressure washer, wash and vacuum techniques etc. using suitable detergents and waxes.

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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