Construction

Sikafloor®-263 SL Décor

Self smoothing 3 mm epoxy floor - Decorative, flecked design using coloured light weight aggregates

Product Description

Sikafloor®-263 SL Décor System is a self-smoothing epoxy based 3 mm thick screed. It is composed of Sikafloor®263 SL 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

- Decorative self smoothing floors for laboratories, pharmaceutical facilities, hospitals, commercial spaces and retail premises.

Characteristics / Advantages

- Decorative with endless finish combination achievable
- Good chemical and mechanical resistance
- Easy application
- Economical
- Solvent-free
- Tight, semi glossy surface
- Low sheen UV stable finish available

Test/Approval

Sikafloor®-263 SL resin (Part A+B) complies to GB/T 22374-2008 standard

Product Data

Form

Appearance / Colours

Sikafloor®-263 SL Décor System Components

Component	Packaging	Consumption / Mix Design
Sikafloor®-263 SL Part A	13.09 kg	13.09 kg
Sikafloor®-263 SL Part B	3.7 kg	3.7 kg
Pigment (background colour)	1.15 kg	0.32 kg
Sikafloor®-Filler	15 kg	8.5 kg
Sikadur®-513	2 kg	0.036 kg
Décor Granule colour mixture (Polymer)	25 kg per colour	3.4 kg
Total		**29 kg / 18.6 litre**

A background colour must be selected from our standard colour chart or from the extended RAL range.

Signal White RAL 9003, Beige RAL 1001, Light Grey RAL 7035, Silver Grey RAL 7001, Stone Grey RAL 7030, Dusty Grey RAL 7037, Dahlia Yellow RAL 1033,

	Ruby Red RAL 3003, Oxide Red RAL 3009, Sky Blue RAL 5015, Reed Green RAL 6013, Emerald Green RAL 6001, Traffic Black RAL 9017 A combination of Décor Granules can be selected from Black, White, Red, Green, Blue, Grey and Yellow. Note: Pre-trialled combinations can be provided on request, please contact Sika Technical Department for further details. Best results are achieved by use of a scale. (e.g. A & D Mercury FG-31KAM)

Storage

Storage Conditions / Shelf-Life	12 months from date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5°C and +30°C.

Technical Data

Density	Sikafloor®-263 SL Décor (all component mixture) : ~ 1.56 kg/l All Density values at +23°C.	
Solid Content	Resin: ~ 100% (by volume) / ~ 100% (by weight)	
VOC content	Resin (Part A+B) : < 60 g/L Conforms to Australian standards for Low VOC emission	GB/T 22374-2008

Mechanical / Physical Properties

Compressive Strength	Resin (Part A+B): ~ 60 N/mm² (28 days / +23°C)	GB/T 17671
Flexural Strength	Resin (Part A+B): ~ 30 N/mm² (28 days / +23°C)	GB/T 17671
Bond Strength	> 1.5 N/mm² (failure in concrete)	JC/T 907
Shore D Hardness	> 75 (7 days / +23°C)	GB/T 2411
Taber Abrasion	22 mg (CS10 Wheel / 1000 g / 1000 cycles)	ASTM D-4060

Resistance

Chemical Resistance

Resistant to many chemicals. Please ask for details.

Thermal 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.

System Information

System Structure

Self-smoothing system 3.0 mm:
Primer: 1 x Sikafloor®-156
Wearing course: 1 x Sikafloor®-263SL Décor

Low sheen - UV stable sealer (optional) : 1 x Sikafloor®-PU WB (with 10% water addition for matt finish)

Application Details

Consumption / Dosage

System	Product	Consumption
Primer	Sikafloor®-156	0.3-0.5 kg/m² or 2-3m²/litre
Levelling (optional)	Sikafloor®-156 levelling mortar	Refer to PDS of Sikafloor®-156
Self-smoothing wearing course (Film thickness ~3.0 mm)	Sikafloor®-263 SL Décor	For a 3 mm DFT: 4.8 kg/m² or ~ 3.1 litre/m²
Low sheen (optional)	Sikafloor®-PU WB (10% water addition)	0.13 kg/m² or 8-10m²/litre/coat

Levelling (scratch coat) is optional, depending on substrate conditions, but it is necessary to have a good floor flatness to achieve best Sikafloor® Décor Systems aesthetic.

Use of Sikafloor®-PU WB, low sheen 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.

Substrate Quality

The concrete substrate must be sound and of 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.

If in doubt, apply a test area first.

Substrate Preparation

Concrete substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and achieve a profiled open textured surface.

Weak concrete must be removed and surface defects such as blowholes and voids must be fully exposed.

Repairs to substrate, filling of blowholes/voids and surface levelling can 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 up 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 and/or vacuum.

Application Conditions / Limitations

Substrate Temperature

+10°C min. / +30°C max.

AmbientTemperature

+10°C min. / +30°C max.

Substrate Humidity

≤ 4% pbw moisture content.

Test method: Sika®-Tramex meter or CM - measurement.

No rising moisture according to ASTM (Polyethylene-sheet).

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.

Application Instructions

Mixing Time

Prior to mixing Sikafloor®-263 SL Decor, stir first its Component A mechanically. When all of Sikafloor® 263SL Décor Component B and C (pigment) has been added to Component A, continuously mix for 2 minutes until a uniform mix has been achieved.

Mix component E (Sikadur®-513) with component D and F making sure the Sikadur®-513 is broken up well.

Add Sikafloor®-263 SL Décor Component E, D and F to mixed resin and carry out additional mixing for 2 minutes until a uniform consistency has been achieved.

To ensure thorough mixing pour materials into another container and mix again to achieve a consistent mix.

Over mixing must be avoided to minimize air entrainment.

Mixing Tools

Sikafloor®-263 SL Décor shall be mixed using an electric power stirrer (300 - 400 rpm), preferably twin paddles type or other suitable equipment.

Application Method / Tools

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®-156 levelling mortar (see PDS).

Priming:
Priming is essential. To ensure that air entrapped in the substrate does not cause air bubbles in the finished product a second prime application is recommended.

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

Low Sheen Sealer Coat (if needed):
Sikafloor®-PU WB with 10% water addition shall be uniformly spread using a short pile nylon roller. Please consult product data sheet for mixing and application details.

Cleaning of Tools

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

Potlife

Temperatures	Time
+10°C	~ 50 minutes
+20°C	~ 25 minutes
+30°C	~ 15 minutes

Waiting Time / Overcoatability

Before applying Sikafloor®-263 SL Décor on Sikafloor®-156 allow:

Substrate temperature	Minimum	Maximum
+10°C	24 hours	3 days
+20°C	12 hours	2 days
+30°C	6 hours	1 day

Before applying Sikafloor®-PU WB on Sikafloor®- 263 SL Décor:

Substrate temperature	Minimum	Maximum
+10°C	48 hours	4 days
+20°C	24 hours	2 days
+30°C	12 hours	1 day

Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.

Notes on Application / Limitations

Before the application of a Sikafloor Décor system, and due to the wide variety of colour and pattern achievable, it is highly recommended that a reference area 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 substrates 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. Sikafloor®-PU WB will stop discolouration.

For coving, it is recommended to use either pre-fabricated elements (for ease of application) or to use an epoxy mortar made of Sikafloor® 156 with top sealing coat(s) of Sikafloor®-264, colored epoxy resin (please consult our respective product data sheets)

Curing Details

Applied Product ready for use

Temperature	Foot traffic	Light traffic	Full cure
+10°C	~ 30 hours	~ 6 days	~ 10 days
+20°C	~ 24 hours	~ 3 days	~ 7 days
+30°C	~ 16 hours	~ 2 days	~ 5 days

Note: Times are approximate and will be affected by changing ambient conditions.

Cleaning / Maintenance

Refer to our Guide for Cleaning and Maintenance.

Methods

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.

Notes

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

Health and Safety Information	For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.
Protective Measures	During application and curing in closed rooms, pits and shafts etc., adequate fresh air ventilation must be provided. Keep away from open flames including welding. Use of basic principles of industrial hygiene and protective clothing such as gloves and goggles etc. will enable this product to be used safely. Change soiled work clothes and wash hands before eating and after finishing work. Local regulations and health and safety advice on packaging labels must be observed.
Important Notes	Residues of material must be removed according to local regulations. Fully cured material can be disposed of as household waste under agreement with the responsible local authorities. Detailed health and safety information as well as detailed precautionary measures e.g. physical, toxicological and ecological data can be obtained from the material safety data sheet.
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 Product Data Sheet for the product concerned, copies of which will be supplied on request. PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER