

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 Sikafloor263 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

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.

CHARACTERISTICS / ADVANTAGES

- 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

| | |
|----------------------------|---|
| Chemical Base | Component A and B : epoxy Component C: quartz sand Component D: Polymer |
| Packaging | Component A: 7.9 kg/pail Component B: 2.1 kg/pail Component C: 5 kg/bag Component D : 2 kg/bag Total pack size: 17 kg per set. |
| Appearance / Colour | Component A: Pigmented; liquid Component B: Transparent; liquid Component C: White; quartz sand Component D: White, Black; inert fillers Sikafloor®-263 SL Décor system is available in 6 Standard Colours:light grey 7035, grey 7032, beige 1001, blue 5012, green 6011, black |
| Shelf Life | 12 months from the date of production, if stored properly in original, un-opened and undamaged sealed packaging |
| Storage Conditions | Store in dry conditions at temperatures between +18°C and +30°C. |

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| 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

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| Shore D Hardness | >75 (7 days / +23°C) | (GB/T 2411) | |
| Abrasion Resistance | 22 mg | (CS10 Wheel/1000 g/1000 cycles) | (ASTM D-4060) |
| Compressive Strength | Resin (Part A+B) : | ~60 N/mm ² (28 days / +23°C) | (GB/T 17671) |
| Tensile Strength in Flexure | Resin (Part A+B): | ~30 N/mm ² (28 days / +23°C) | (GB/T 17671) |
| Tensile Adhesion Strength | >1.5 N/mm ² | (failure in concrete) | (JC/T 907) |
| Chemical Resistance | Resistant to many chemicals. Please ask for a detailed chemical resistance table. | | |
| 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

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| Systems | Self-smoothing system 3.0 mm: Primer: 1 x Sikafloor®-156 or Sikafloor®-161 Wearing course: 1 x Sikafloor®-263SL Décor Matt sealer (optional) : 1 x Sikafloor®-304W |
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APPLICATION INFORMATION

| Consumption | System | Product | Consumption |
|-------------|---|---|---------------------------------------|
| | Primer | Sikafloor®-156 / -161 | 0.3 -0.5 kg/m ² |
| | Levelling (optional) | Sikafloor®-156/ -161 levelling mortar | Refer to PDS of Sikafloor® - 156/ 161 |
| | Self-smoothing wearingcourse (Film thickness ~3.0 mm) | Sikafloor®-263 SL Décor (A + B + C + D) | For a 3 mm DFT: 4.8 kg/m ² |
| | Matt Sealer (optional) | Sikafloor®-304 W | 0.13 kg/m ² |

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® -304 W, 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.

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| 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. |

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|--------------------------------------|---|-------------|--------------|-----------|
| 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 |

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

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 texture 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 leveling must be carried out using appropriate products from the Sikafloor®, SikaDur® and SikaGard® range of materials.
High spot can 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.

MIXING

Prior to mixing Sikafloor®-263 SL Décor, stir first its Component A mechanically. When all of Sikafloor® 263SL Décor Component B has been added to Component A, continuously mix for 2 minutes until a uniform mix has been achieved.
Add then Sikafloor®-263 SL Décor Component C and D 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.
Sikafloor®-263 SL Décor shall be mixed using an electric power stirrer (300 -400 rpm), preferably twin paddles type or other suitable equipment. (i.e Collo-matic 65/2k3 mixer).

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 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®-304 W can be recommended. On a clean, dustfree surface, Sikafloor®-304 W shall then be uniformly spread and apply using 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.

MAINTENANCE

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.

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 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® 156 / -161 with top
- sealing coat(s) of Sikafloor®-264, colored epoxy resin (please consult our respective product data sheets).

BASIS OF PRODUCT DATA

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.

LOCAL RESTRICTIONS

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

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ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

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.