BUILDING TRUST
CONSTRUIRE LA CONFIANCE

PRODUCT DATA SHEET

Sikafloor®-261 Fast Set

SMOOTH FINISH COATING (20 - 30 MIL)

PRODUCT DESCRIPTION

Sikafloor®-261 Fast Set is a two-component, rapid curing, solid colour, high solids, silicone-free, low-viscosity, self-priming, glossy epoxy resin available in an unlimited colour range. Typically installed as a seamless, high build, smooth coating for light to medium duty traffic areas. This general service epoxy coating demonstrates good mechanical and chemical resistance. Final surface appearance options include: unlimited colour selection, integral cove base, gloss, satin or matte surface sheen. Sikafloor®-261 Fast Set can also be used as a resin component (primer, binder and top coat) for high performance Sikafloor® Morritex Systems.

WHERE TO USE

Sikafloor®-261 Fast Set may only be used by experienced professionals.

Typical areas of installation include:
- Clean rooms and sanitary areas
- Commercial and industrial facilities
- Food service areas
- Institutional and recreational facilities
- Light to medium duty manufacturing areas
- Processing and warehousing
- Retail stores
- Theaters
- Aircraft hangars

CHARACTERISTICS / ADVANTAGES

- Rapid cure ; ideal for for quick turnaround projects
- Good mechanical and chemical resistance
- Glossy aesthetic finish
- Durable, impermeable and seamless
- Easily cleaned and maintained
- Neutral odour
- Unlimited colours, no minimum required

ENVIRONMENTAL INFORMATION

Potential of contribution towards LEED® credits. Contact Sika Canada

APPROVALS / CERTIFICATES

Meets the requirements of CFIA and USDA for use in food plants.

PRODUCT INFORMATION

CSC MasterFormat®	09 67 00 FLUID-APPLIED FLOORING	
Packaging	30 L (7.9 US gal.) unit	
Appearance / Colour	Custom colours available. Refer to current price list for availability.	
Shelf Life	2 years in original unopened packaging. Condition product at temperatures between 18 and 30 °C (65 and 86 °F) before using.	
Storage Conditions	Store dry between 5 and 32 °C (41 and 89 °F).	
Volatile organic compound (VOC) content	< 50 g/L	
Shore D Hardness	~ 76	(ASTM D2240)
Abrasion Resistance	~ 0.11 g (0.0038 oz) CS17/1000 cycles/1000 g (2.2 lb)	(ASTM D4060)
Compressive Strength	~ 56 MPa (8122 psi)	(ASTM D695)
Tensile Strength	~ 7.4 MPa (1073 psi)	(ASTM D638)
Elongation at Break	~ 22.4 %	(ASTM D638)
Pull-Off Strength	> 2.5 MPa (363 psi) (substrate failure)	(ASTM D7234)
Resistance to Impact	~ 5.88 joules (4.33 ft lb)	(ASTM D2794)
Indentation	~ 8.82 % (returns to profile)	(MIL-PRF-24613)
Thermal Compatibility	Passes	(ASTM C884)
Chemical Resistance	Consult Sika Canada	
Service Temperature	Min. ~ 0 °C (32 °F) Max. ~ 50 °C (122 °F)	
Water Absorption	~ 0.3 %	(ASTM D570)
Coefficient of Friction	~ 0.32 Wet (smooth high gloss) ~ 0.93 Dry (smooth high gloss)	(ANSI A137.1 / ANSI A326.3) (DCOF - BOT 3000e)

APPLICATION INFORMATION

Mixing Ratio	A:B = 2:1 by volume
Consumption	**Floor** Prime coat: 5 - 8 m^2/L (200 - 325 ft^2/US gal.) at 5 - 8 mil w.f.t. Wear coat: 1.6 - 3.3 m^2/L (65 - 135 ft^2/US gal.) at 12 - 25 mil w.f.t. Refresher coat: Apply at the same rate as wear coat **Wall and Ceiling** Prime coat: 8 m^2/L (325 ft^2/US gal.) at 5 mil w.f.t. Finish coat: 2 x 8 m^2/L (325 ft^2/US gal./coat) at 2 x 5 mil w.f.t. (Addition of Sikafloor® Extender T will allow a heavier coat application. Contact Sika Canada for additional information) *Actual coverage rates and material consumption will depend upon porosity and profile of substrates. Allowance must be also made for variation in film thickness or number of coats required to achieve opacity with light (i.e. white) or bright colours (i.e. reds and yellows) on dark substrates.*

	Test sections are recommended to establish correct coverage			
Product Temperature	Condition product at temperatures between 18 and 30 °C (65 and 86 °F) before using.			
Ambient Air Temperature	Minimum / Maximum: 10 / 30 °C (50 / 85 °F). Mixing and application attempted at material, ambient and/or substrate temperature conditions less than 18 °C (65 °F) will result in a decrease in product workability and slower cure rates.			
Relative Air Humidity	Maximum 85 % (during application and curing).			
Dew Point	Substrate must be at least 3 ˚C (5 ˚F) above the Dew Point to reduce the risk of condensation, which may lead to adhesion failure or “blushing” on the floor finish.			
Substrate Moisture Content	Moisture content of concrete substrate must be ≤ 4 % by mass (pbw – part by weight) as measured with a Tramex®CME / CMExpert type concrete moisture meter.			
Pot Life		10 °C (50 °F)	20 °C (68 °F)	30 °C (86 °F)
	250 g (8.8 oz)	~ 20 (min)	~ 15 (min)	~ 10 (min)
Curing Time		10 °C (50 °F)	20 °C (68 °F)	30 °C (86 °F)
	Foot Traffic	~ 12 (hours)	~ 4 (hours)	~ 3 (hours)
Waiting Time / Overcoating		10 °C (50 °F)	20 °C (68 °F)	30 °C (86 °F)
	Min./Max.	~ 7/48 (hours)	~ 3/24 (hours)	~ 2/18 (hours)
Applied Product Ready for Use		10 °C (50 °F)	20 °C (68 °F)	30 °C (86 °F)
	Full Cure / Chemical Exposure	~ 7 (days)	~ 5 (days)	~ 4 (days)

BASIS OF PRODUCT DATA

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.
Properties tested at 23°C (73°F) and 50% R.H. unless stated otherwise.

LIMITATIONS

- Prior to application, measure and confirm Substrate Moisture Content, Ambient Relative Humidity, Ambient and Surface Temperature and Dew Point. During installation, confirm and record above values at least once every three (3) hours, or more frequently whenever conditions change (e.g. Ambient Temperature rise/fall, Relative Humidity increase/decrease, etc.
- Moisture content of concrete substrate must be ≤ 4 % by mass (pbw – part by weight) as measured with a Tramex®CME / CMExpert type concrete moisture meter on mechanically prepared surface according to this product data sheet (preparation to ICRI / CSP 3 - 4).
- Do not apply to concrete substrate with moisture levels exceeding 4 % mass (pbw – part by weight) as measured with Tramex® CME / CMExpert type concrete moisture meter. If moisture content of concrete substrate exceeds 4 % by mass (pbw – part by weight) as measured with Tramex® CME / CMExpert type concrete moisture meter, use Sikafloor®-1610 or Sikafloor®-81 EpoCem®CA.
- ASTM F2170 testing is not a substitute for measuring substrate moisture content with a Tramex® CME / CMExpert type concrete moisture meter as described above. When relative humidity tests for concrete substrate are conducted per ASTM F2170 for project specific requirements, values must be ≤ 85 %. If values exceed 85 %, according to ASTM F2170, use Sikafloor®-1610 or Sikafloor®-81 EpoCem®CA.
- Do not apply while ambient and substrate temperatures are rising, as pinholes may occur. Ensure there is no vapour drive at the time of application. Refer to ASTM D4263, may be used for a visual indication of vapour drive.
- Freshly applied material should be protected from dampness, condensation and water for at least 24 hours.
- Will discolour over time when exposed to sunlight (UV) and under certain artificial lighting conditions

- Do not apply Sikafloor® to concrete substrate containing aggregates susceptible to ASR (Alkali Silica Reaction) due to risk of natural alkali redistribution below the Sikafloor® product after application. If concrete substrate has or is suspected to have ASR (Alkali Silica Reaction) present, do not proceed. Consult with design professional prior to use.
- Any aggregate used with Sikafloor® systems must be non-reactive and oven-dried.
- This product is not designed for negative side waterproofing.
- Typically not recommended for exterior slabs on grade where freeze/thaw conditions may exist.
- Do not apply to substrates exposed to extreme thermal shock.
- Direct-fired gas or kerosene heaters produce by-products that can have adverse effects on the curing primer. To avoid this occurrence, heaters must be exhausted to the exterior of the building to avoid defects such as amine blush, whitening, loss of adhesion or other surface deficiencies.
- Beware of air flow and changes in air flow. Introduction of dust, debris, and particles, etc. may result in surface imperfections and other defects.
- Published Dynamic Coefficient of Friction (DCOF) wet and dry test results are approximate values based on laboratory test samples produced in a controlled environment following the application instructions published on the product data sheet. Resin flooring products are hand-applied finishes subject to minor variations in surface texture due to influences partly beyond Sika Canada's control. Substrate profile, environmental conditions, variable regional aggregate size, shape and gradation, aggregate distribution, uniformity of applied resin mil thickness, and application technique can all affect the final DCOF test results achieved. Adequate provision should be made by the client throughout the selection and installation process to ensure the finished surface texture meets the end user's traction requirements.
- The influence of colour selection should be allowed for in material consumption/coverage. Light or bright colours may require higher wet film thicknesses or additional coats to achieve desired opacity. Consult Sika Canada for guidance at time of colour selection.

ENVIRONMENT, HEALTH & 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

SURFACE PREPARATION

The concrete surface must be clean and sound. Remove any dust, laitance, grease, oil, dirt, curing agents, impregnations, wax, foreign matter, coatings and detritus from the surface by appropriate mechanical means, in order to achieve a profile equivalent to ICRI / CSP 3 - 4 for floors and ICRI / CSP 1 - 3 for walls. The compressive strength of the concrete substrate should be at least 25 MPa (3625 psi) at 28 days and at least 1.5 MPa (218 psi) in tension at the time of application of Sikafloor®-261 Fast Set.

MIXING

Do not hand mix Sikafloor® materials. Mechanically mix only. Mix only that quantity which can be used within its pot life.
Pre-mix each component separately. Empty component B in the correct mix ratio to component A. Mix the combined components for at least three (3) minutes, using a low-speed drill (300 - 450 rpm) to minimize entrapping air. Use an Exomixer® type mixing paddle (recommended model) suited to the volume of the mixing container. During the mixing operation, scrape down the sides and bottom of the container with a flat or straight edge trowel at least once, to ensure complete mixing. When completely mixed, Sikafloor®-261 Fast Set should be uniform in colour and consistency.

APPLICATION

Floor
Prime Coat: Apply the Sikafloor®-261 Fast Set as a prime coat onto the substrate using a brush, roller or squeegee, at a uniform coverage without puddling.
Wear Coat: Once the prime coat is tack-free, apply the wear coat using a squeegee or roller and backroll to achieve even coverage. If time between coats exceeds 24 hours at 22 °C (71 °F), abrade surface and wipe clean with a solvent dampened cloth.

Wall/Ceiling
Prime Coat: Apply the prime coat onto the substrate using a brush, or roller, at a uniform coverage.
Finish Coat: Once the prime coat is tack-free, apply the finish coats using a roller. If time between coats exceeds 24 hours at 22 °C (71 °F), abrade surface and wipe clean with a solvent-dampened cloth.

CLEAN UP

Clean all tools and equipment with Sika® Epoxy Cleaner. Once hardened, product can only be removed mechanically

MAINTENANCE

Please refer to Sikafloor® Systems - Protection, Cleaning and Maintenance Guidelines product data sheet.

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 recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. 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 or may be downloaded from our website at: www.sika.ca

Sika Canada Inc.
Head Office
601, avenue Delmar
Pointe-Claire, Quebec
H9R 4A9
1-800-933-SIKA
www.sika.ca

Other locations
Boisbriand (Quebec)
Brantford; Cambridge;
Sudbury; Toronto (Ontario)
Edmonton (Alberta)
Surrey (British Columbia)