

PRODUCT DATA SHEET

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CSC Master Format™ 09 67 00
FLUID-APPLIED FLOORING

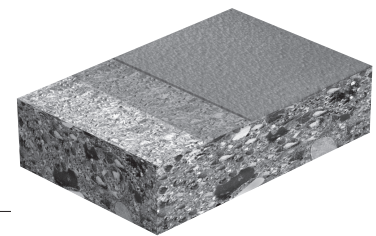
Sikafloor®-261^{CA}

SMOOTH FINISH COATING (20 - 30 MILS)

Description Sikafloor®-261^{CA} is a two-component, 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^{CA} is also used as a resin component (primer, binder and top coat) for high performance Sikafloor® Morritex Systems.

- Where to Use**
- 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.

- Advantages**
- Good mechanical and chemical resistance.
 - Glossy aesthetic finish.
 - Durable, impermeable and seamless.
 - Easily cleaned and maintained.
 - Does not support growth of bacteria or fungus.
 - Neutral odour.
 - Unlimited colours, no minimum required.
 - Achieves high performance ratings according to ASTM G21 resistance to fungi and ASTM D3273 resistance to mold growth (special order grade).
 - Canadian Food Inspection Agency acceptance/USDA acceptance.



Smooth Finish Coating

Technical Data	
Packaging	10 L and 30 L (2.6 and 7.9 US gal.) units
Colour	Refer to the Industrial Flooring and Coatings colour card. RAL 7038 Agate Grey RAL 5007 Brilliant Blue RAL 7030 Stone Grey RAL 6028 Pine Green RAL 1001 Beige RAL 7012 Basalt Grey RAL 1018 Zinc Yellow RAL 9003 Signal White RAL 3010 Brick <i>Custom colours available upon request. Refer to current price list for availability.</i>
Yield	
Floor	Prime coat 5 - 8 m ² /L (200 - 325 ft ² /US gal.) (5 - 8 mils w.f.t.) Wear coat 1.6 - 3.3 m ² /L (65 - 135 ft ² /US gal.) (12 - 25 mils 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.) (5 mils w.f.t.) Finish coat 2 x 8 m ² /L (325 ft ² /US gal./coat) (2 x 5 mils w.f.t.) (Addition of Sikafloor® Extender T will allow a heavier coat application. Contact Sika Canada for additional information.) <i>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.</i>
Shelf Life	2 years in original unopened packaging. Store dry between 5 and 32 °C (41 and 89 °F). Condition product at temperatures between 18 and 30 °C (65 and 86 °F) before using.
Mix Ratio	A:B = 2:1 by volume
Service Temperature	Min. 0 °C (32 °F) Max. 50 °C (122 °F)

	10 °C (50 °F)	20 °C (68 °F)	30 °C (86 °F)
Pot Life, 250 g (8.8 oz) (min)	60	40	15
Open Time on Substrate (min)	80	50	35
Waiting Time Between Coats (h) (min./max.)	30/72	8/48	6/24
Curing Time (days)			
Foot traffic	2	1	18 h
Light traffic	4	2	2
Normal traffic/Chem. exp.	10	7	5
Properties at 23 °C (73 °F) and 50 % R.H.			
Specific Gravity ASTM D1475	A:	1.52 (12.6)	
kg/L (lb/US gal.)	B:	1.01 (8.39)	
	A+B:	1.40 (11.6)	
Viscosity	A+B:	550 cps	
Compressive Strength ASTM D695		56 MPa (8122 psi)	
Tensile Strength ASTM D638		7.4 MPa (1073 psi)	
% Elongation		22.4 %	
Bond Strength ASTM D4541		> 2 MPa (290 psi) (substrate failure)	
Thermal Compatibility ASTM C884		Passes	
Hardness, Shore D ASTM D2240		76	
Indentation MIL-PRF-24613		8.82% (returns to profile)	
Impact Resistance ASTM D2794		5.88 joules (4.33 ft lb _i)	
Abrasion Resistance ASTM D4060			
Taber Abrader ; CS17/1000 cycles/1000 g (2.2 lb)		0.11 g (0.0038 oz)	
Coefficient of Friction ASTM D1894-61T	Steel	0.20	
	Rubber	0.55	
Flammability ASTM D635		35 mm (1.37 in)	
Coefficient of Thermal Expansion ASTM D696		1.27 x 10 ⁻⁴ mm/mm/°C (0.70 x 10 ⁻⁴ in/in/°F)	
Water Absorption ASTM D570		0.3%	
Resistance to Fungi Growth ASTM G21		Rated 1 (traces of growth)	
Resistance to Mold Growth ASTM D3273		Rated 10 (highest resistance)	
VOC Content		48 g/L	
Chemical Resistance		Consult Sika Canada	

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.

HOW TO USE

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^{CA}.

Mixing

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^{CA} should be uniform in colour and consistency. Mix only that quantity which can be used within its pot life.

Application

Floor - Prime Coat: Apply the Sikafloor®-261^{CA} 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 48 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 48 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. Wash soiled hands and skin thoroughly in hot soapy water or use Sika® Hand Cleaner towels.

Limitations

- Minimum/Maximum substrate temperature 10 °C/30 °C (50 °F/86 °F).
- Maximum relative humidity during application and cure: 85 %.
- Substrate temperature must be 3 °C (5.5 °F) above the measured dew point.
- Moisture content of the substrate must be < 4 % when coating is applied or use Sikafloor®-81 EpoCem®^{CA}.
- Do not apply to porous surfaces where moisture vapour transmission will occur during application.
- Not suitable for use on exterior, slab-on-grade concrete substrates.
- Protect from dampness, condensation and water contact during the initial 24 hour cure period.

- 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.
- Surface may discolour in areas exposed to ultraviolet light, use Sikafloor® Duochem-942 (Clear or Coloured) as a seal coat if required or contact Sika Canada prior to specification or application for advice.
- Do not hand-mix Sikafloor® materials; mechanical-mix only.

Health and Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent SAFETY DATA SHEET containing physical, ecological, toxicological and other safety-related data.

KEEP OUT OF REACH OF CHILDREN
FOR INDUSTRIAL USE ONLY

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, within their shelflife. 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

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