

Sika EpoCem

Like Epoxy – Like Cement

EpoCem – Unique Sika Technology

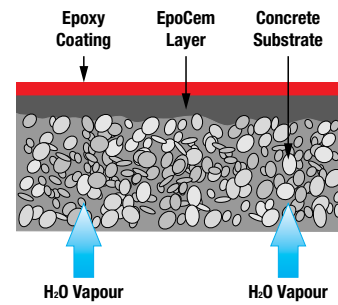
Sikagard®75 EpoCem^{CA}: Three-component, epoxy-modified, cementitious mortar used in vertical applications.

Sikafloor®81 EpoCem^{CA} and Sikafloor®82 EpoCem^{CA}: Three-component, epoxy-modified, cementitious self-leveling mortars used in horizontal applications.

EpoCem combines the physical properties of cement with the positive mechanical and chemical properties of water-soluble epoxy resins. EpoCem technology prevents coating failures related to fresh and damp concrete with two unique properties:

Temporary Moisture Barrier

An impervious polymer coating applied to concrete with moisture content in excess of 4% by weight is prone to adhesive failure. Water in the concrete pores prevents from effectively bonding to the concrete substrate from day one!



EpoCem provides a temporary moisture barrier on the damp substrate allowing a protective epoxy or other suitable polymer coating to be applied within one to three days.

Pore Sealing and Osmotic Pressure Reduction

Water vapour transmission through concrete can cause extreme pressure within the pores. When blocked by a coating on the surface, it causes blisters, blow or pin holes in the protective coating. Complete coating delamination is also possible.

This problem takes place at the time of application, before bonding but is sometimes not visible until the structure has been in use for a considerable period. In these cases, osmosis is often the cause. It takes time, but eventually osmotic pressure can build in and around the areas where the bond line is non-continuous. Osmotic blistering is the result. The EpoCem layer provides a temporary moisture barrier creating a continuous, non-perforated bond line preventing osmosis from occurring.



Sika Solutions

Industrial Flooring



PRODUCT TYPE	PRODUCT NAME	DESCRIPTION	BENEFITS	
Primers	Sikafloor®156 ^{CA}	Multi-Purpose Epoxy Primer	Good penetration, low viscosity, easy-to-apply primer	
	Sikadur®WDE Primer	Moisture-Insensitive Epoxy Primer	Cures down to 0°C Ideal for shutdown or fast turnaround projects	
	Sikafloor®90 ^{CA}	Clear, Solvent-Free, Low-Viscosity Epoxy resin	Excellent penetration and economical	
Epoxy-Cement Mortars	Sikagard®75 EpoCem ^{CA} Sikafloor®81 EpoCem ^{CA} Sikafloor®82 EpoCem ^{CA}	Resurfacing and Pore-Filling Mortar for Vertical Surfaces Self-Leveling, Epoxy-Cement Floor Topping for Structural Resurfacing [2.5-4 mm (100-160 in)] Self-Leveling, Epoxy-Cement Floor Topping for Structural Resurfacing [4-7 mm (160-280 in)]	Can be overcoated with epoxy resin after 24 h. Application on damp or green substrates Waterproof yet permeable to water vapour	
Elastomeric Membrane	MRW System	Mechanical Room Waterproofing System	Durable waterproofing Conforms to National Building Code	
High-Performance Coatings and Lining Systems	Sikafloor®CRV 10 Sikafloor®CRV 20	Chemical-Resistant Vinyl Ester Superior Chemical-Resistant Novolac Vinyl Ester	Excellent protection for steel and concrete against a wide range of chemicals	
Heavy-Duty Screed	Sikafloor®Screed	High-Performance Epoxy Floor Resurfacer for High Traffic	High abrasion resistance. Low odour.	
Epoxy Coatings/Toppings	Sikagard®62 ^{CA}	Waterproofing Coating for Dry or Damp Surfaces	Approved for use as contact surface for potable water Outstanding bond to all common structural substrates	
	Sikafloor®89 ^{CA}	Textured, Water-Based, Non-Skid Epoxy Coating	Easy and fast roller application Excellent adhesion to dry, damp or saturated surface dry concrete	
	Sikafloor®261 ^{CA}	Multi-Purpose Coloured Epoxy Resin	Unlimited colour flexibility Versatile systems with fast and easy application	
	Sikafloor®381 ^{CA}	High-Build, Self-Leveling Epoxy Novolac	Outstanding chemical resistance High mechanical and excellent abrasion resistance	
	Fastflor®CR	Chemical-Resistant, Fast-Cure, Epoxy Floor Coating	Ideal for fast turnaround projects Excellent chemical and wear resistance	
	Sikafloor®Polythane UV	High-Gloss, UV Resistant, Aliphatic Polyurethane Coating	High resistance to abrasion and yellowing High gloss and colour retention on light exposed surfaces	
Anti-Static/Conductive	Sikafloor®381 AS ^{CA}	Highly-Resistant, Conductive/Anti-Static Flooring System Epoxy Novolac Binder	Electrically conductive/anti-static High mechanical and chemical resistance	
	Sikafloor®220W ^{CA}	Highly Conductive Epoxy Resin Coating	Easy to apply. Excellent coverage.	
Quartz Coloré Systems	Sikafloor®2000 Sikafloor®2001 Sikafloor®2002 Sikafloor®2003	Binder for Colored Quartz Trowel System Binder for Colored Quartz Broadcast System Gloss Finish Clear Epoxy Topcoat Satin Finish Clear Epoxy Topcoat	Durable and seamless High density prevents dirt penetration: low maintenance Superior mechanical and chemical resistance	
	Repair Mortars	SikaQuick 1000	Rapid-Hardening Repair Mortar with Extended Working Time	Allows application of an epoxy coating within 6 h Open to foot traffic in 4 h, vehicle traffic in 6 h
		SikaQuick 2500	Very-Rapid Hardening Repair Mortar	Allows application of an epoxy coating within 4 h Open to foot traffic in 45 min, vehicle traffic in 1 h
	Self-Leveling Toppings	Sikafloor®Level 25	Cementitious Self-Leveling Floor Screed	Achieves rapid, flat, economic substrate leveling. Excellent underlay for resin flooring
Sikafloor®Level 50		Deep Section Cementitious Self-Leveling Sub-Floor Screed	Achieves rapid, flat, economic substrate leveling between 20 to 50 mm (3/4-2 in)	
Polyurethane Flooring	Sikafloor®20 PurCem ^{CA}	High-Strength, Coloured, Polyurethane Floor Screed	Excellent thermal shock resistance	
	Sikafloor®21 PurCem ^{CA}	Medium-Duty, Self-Leveling, Polyurethane Screed	Good mechanical & abrasion resistance	
	Sikafloor®29 PurCem ^{CA}	High-Strength, Polyurethane, Coving and Detailing Mortar	Easy vertical application	
	Sikafloor®31 PurCem ^{CA}	Solvent-Free, High-Build, Polyurethane Coating	Increases hygienic performance of Sikafloor 20 and 29 PurCem ^{CA}	

Other Sika Solutions



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ISO 9001-00 ISO 14001-96 MONTREAL

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 shelf life. 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 proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request or can be accessed in the Internet under www.sika.ca.

Construction

Sikafloor® 261^{CA}

Multi-Purpose Epoxy Flooring Systems



Founded in 1910 in Switzerland, Sika has become a global player in construction chemicals with manufacturing facilities and distribution centers in more than 70 countries. Established in Canada in 1957, Sika has its headquarters in Montreal with manufacturing and warehouse facilities across the country.

Recognized as a leader in the development of value-added products, Sika is committed to renew and improve its products, systems and procedures. This commitment is an on-going process: All manufacturing facilities around the world have earned the ISO Certification, ensuring Sika's high standards are maintained everywhere. Sika products have become a reference for high quality in concrete restoration, grouts, structural strengthening systems, joint sealants, moisture protection, surface hardeners and industrial flooring.

Our global industrial flooring expertise is directly linked to our high-performance products and customer needs: We have developed systems taking into account design life, operational requirements, construction joints, floor to wall connections, surface design and installation details. We rely on our specially trained applicator team across Canada to offer you the best possible installations.

Sika Industrial Flooring Systems have been developed for a wide range of markets: Transport & Infrastructure, Water & Power, Health, Education & Leisure, Manufacturing Industry, Residential, Commercial & Industrial Buildings and Precast Concrete Elements. Each of these markets have specific requirements in terms of traffic and mechanical wear, chemical resistance, temperature, slip resistance, impact resistance, permeability to liquids, fire resistance, rapid curing, etc.



Standard Textures



Fine



Medium



Coarse



Trowelled



Thixo (Orange Peel)



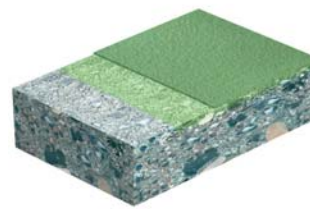
Smooth

Sikafloor® 261^{CA} Flooring Systems



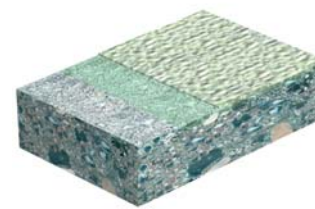
A leading edge in European technology, **Sikafloor® 261^{CA}** is a two-component, solvent and silicone-free, self-priming, epoxy-based coloured flooring system. **Sikafloor® 156^{CA}** is a solvent-free, multi-purpose, epoxy-based primer.

1 Smooth Finish Coating



Thickness: 20-30 mils
Sikafloor® 261^{CA}, as a primer and as a smooth finish coating.

2 Thixo Coating



Thickness: 20-24 mils
Sikafloor® 261^{CA}, as a primer and as a textured coating.

3 Neat/Broadcast Surfacing



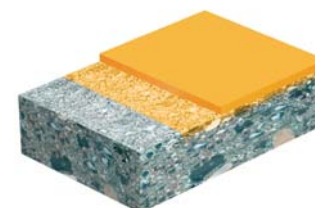
Thickness: 2-3 mm (5/16-1/8 in)
Sikafloor® 261^{CA}, as a primer, as a broadcast and as a topcoat.

4 Self-Leveling/Broadcast Surfacing



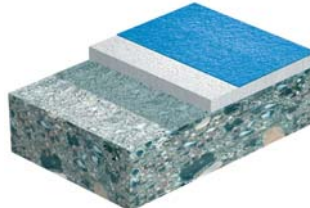
Thickness: 3-6 mm (1/8-1/4 in)
Sikafloor® 261^{CA}, as a primer, as a broadcasted self-leveling slurry and as a topcoat.

5 Self-Leveling Smooth Surfacing



Thickness: 2-4 mm (70-170 mils)
Sikafloor® 261^{CA}, as a primer and as a self-leveling coating.

6 Mortar Screed



Thickness: 3-6 mm (1/8-1/4 in)
Sikafloor® 156^{CA}, as a primer and as a mortar screed and **Sikafloor® 261^{CA}**, as a topcoat.

7 Wet Processing/Cold Storage Surfacing



Thickness: 2.5-6 mm (3/32-1/4 in)
Sikafloor® EpoCem Module, as a primer, **Sikafloor® 81/82 EpoCem^{CA}** as a self-leveling mortar and a broadcast coating, and **Sikafloor® 261^{CA}**, as a topcoat.

System Selection Chart

Typical Applications	1 (20-30 mils) Smooth Finish Coating	2 (20-24 mils) Thixo Coating	3 (2-3 mm) Neat/ Broadcast Surfacing	4 (3-6 mm) Self-Leveling/ Broadcast Surfacing	5 (2-4 mm) Self-Leveling Smooth Surfacing	6 (3-6 mm) Mortar Screed	7 (2.5-6 mm) Wet Processing/ Cold Storage Surfacing
Aircraft Hangars	▲▲				▲▲▲		
Animal Care Facilities		▲	▲▲			▲▲▲	
Assembly Areas	▲▲		▲▲▲				
Bakeries	▲		▲▲				
Beverage Processing		▲				▲▲▲	
Cafeterias	▲			▲▲	▲▲		
Classrooms	▲				▲▲		
Cleanrooms	▲				▲▲▲		
Coolers				▲		▲	▲▲
Containment Areas	▲			▲▲			
Convention Centers	▲▲				▲▲▲		
Correctional Facilities		▲	▲▲				
Corridors	▲				▲▲		
Dairies							▲▲
Food Processing			▲	▲		▲▲	
Food Preparation & Service			▲			▲▲	
Freezers							▲▲
Garbage Rooms		▲		▲▲		▲▲▲	
Laboratories	▲				▲▲		
Laundry Rooms		▲		▲▲	▲▲▲		
Locker & Shower Rooms		▲	▲▲			▲▲▲	
Manufacturing Light Duty	▲		▲▲	▲▲	▲▲▲		
Manufacturing Heavy Duty			▲			▲▲▲	
Machine Shops	▲		▲▲			▲▲▲	
Meat, Fish & Poultry Packing				▲		▲▲	
Mechanical Rooms		▲					
Movie Theaters	▲▲				▲▲▲		
Offices	▲▲				▲▲▲		
Packaging Areas	▲			▲▲	▲▲▲		
Pharmaceutical Manufacturing	▲				▲▲		
Paint Facilities	▲		▲▲				
Photo Processing	▲			▲▲		▲▲▲	
Printing Shops	▲			▲▲			
Production Lines	▲		▲▲			▲▲▲	
Quality Control	▲		▲▲		▲▲▲		
Refineries			▲			▲▲	
Service Garages	▲		▲▲			▲▲▲	
Shopping Malls	▲				▲▲		
Sports Stadiums		▲	▲▲		▲▲▲		
Sumps, Pits & Trenches	▲					▲▲	
Tank Farms	▲					▲▲	
Television Studios	▲				▲▲▲		
Traffic Aisles	▲			▲▲		▲▲▲	
Warehouses	▲▲					▲▲▲	
Wash Bays		▲				▲▲▲	▲▲
Washrooms	▲		▲▲			▲▲▲	
Waste Handling Facilities			▲			▲▲	
Wet Process Areas		▲	▲▲			▲▲▲	▲▲

NOTE: This chart is offered as a general guideline to some common installations and is specific to Sikafloor® 261^{CA} only. In certain cases, other Sika products may be more suitable. Please refer to your local Sika Flooring Representative for specific recommendations.

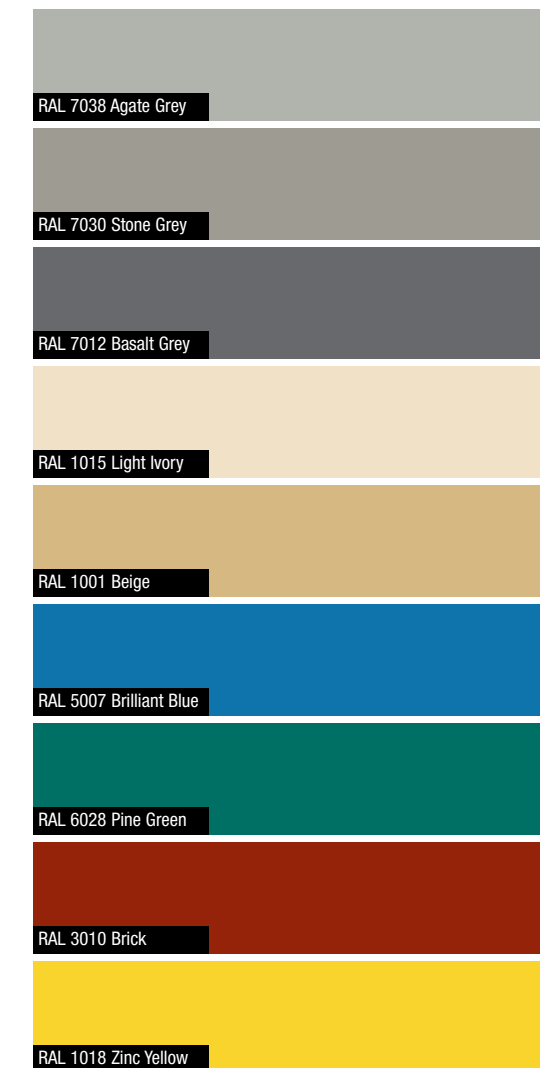
Unlimited Colour Flexibility

Whether you need one unit or a full batch, we can now offer you ultimate service with our brand new in-pail tinting equipment. This unique technology provides the level of flexibility you've been looking for. **Sikafloor® 261^{CA}** is available in 9 standard colours, but we can



match any colour of your choice, no minimum quantity required

Standard Colours*



*Colours featured on this page should be used only as a guide. Printing methods may create variations from actual product and differ from end result.

