



FLOORING

SIKA SOLUTIONS FOR FLOORS IN
FOOD AND BEVERAGE INDUSTRIES

BUILDING TRUST



FOOD AND BEVERAGE INDUSTRIES

Solutions with Sikafloor® Systems

FLOORING IN THE FOOD INDUSTRY

For the production of quality foodstuffs, a clean working environment is of crucial importance. The key to this is the right selection of the floor, since it is always under stress from water and chemicals, variations in temperature, cleaning agents, etc. At the same time, the floor finish must meet the requirements for hygiene, health and safety. Sikafloor systems meet all of these individual requirements thanks to their flexible design possibilities.

SURFACE PROFILE AND DESIGN

Flooring systems in wet process areas generally require a slip-resistant profile which must also be easily cleaned, and yet totally impervious and resistant to the water and chemical exposure. Sikafloor systems provide a full range of slip resistant options.

FLOOR JOINTS

Also, but not only in wet process areas, floor systems and finishes should be designed and constructed to be as joint-free as possible. Joints tend to trap dirt and bacteria, etc.; they are difficult to clean and can be weak points for mechanical loading and abrasion. Sikafloor systems are applied to be seamless and jointless with the exception of necessary movement/expansion joints. Sika provide a full range of floor joint systems.

APPROVALS/CERTIFICATION

Obviously, a flooring system must prevent the penetration or migration of any substances hazardous to health from

the floor into the foodstuffs or the environment. Sikafloor systems have certification according to the latest EEC guidelines and other approvals including Clean Room Certification for their suitability for use in the food industry.

THERMAL SHOCK

Excellent adhesion to the concrete substrate together with the correctly designed Sikafloor system thickness provides protection against delamination from thermal shock even when frequent or cyclic, as with steam cleaning or in food chilling areas.

CHEMICAL EXPOSURE

Sikafloor systems can withstand the chemical exposure resulting from foodstuff ingredients, such as aggressive organic acids, sugars and industrial disinfection and cleaning agents.

DOWNTIMES

Each day of downtime from production is very expensive whether in new construction or in refurbishment. It is essential to finish all working steps, within the shortest time. Technology allows application to a "green" or damp concrete, reducing construction time and eliminating the risk of blistering. This results in time and money saving!

REQUIREMENTS FOR INDUSTRIAL FLOORING IN THE FOOD INDUSTRY



Hygiene: The floor must not contaminate the foodstuff nor affect its taste and odour. It must not allow growth of fungi or bacteria. Certified usage for the food industry.



Resistant to thermal shock means that the coating system will not be negatively influenced by thermal exposure like ice, steam cleaning or blast freezing. For steam cleaning generally a thickness of more than 9 mm is required.



Slip resistance is always a question of surface design. The specific environment defines the limits. Various finishes can be achieved.



Permeability to liquids: Provides an impermeable seal protecting the concrete and the ground water from leakage of water and environmental pollutants.



Chemical resistance according to Product Data Sheet. The Sikafloor PurCem range offers high chemical resistance.



Impact resistance is related to the specific conditions of each operation. Allowance should be made for high point foods.



The Sika technology allows for application where a minimum downtime or low temperature application is required, between -10°C to +30°C available for use within hours.



Cleaning: The floor must be easy to clean and to disinfect.



The mechanical resistance is defined by type (transport load, type of tyres, contact area) and frequency of exposure.

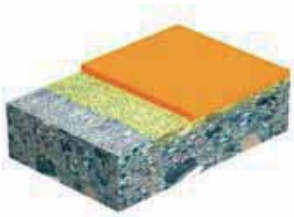


Neutral odour and VOC-free.



DRY PROCESSING

e.g. Milk powder, bakeries, flour mills, confectionary etc.



Coloured, smooth resin Screed

- High wear and abrasion resistance
- Good impact resistance
- Good chemical resistance
- Medium thermal resistance
- Slip resistance options
- Easy cleaning
- Coloured

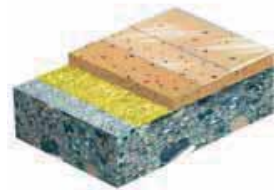
Sikafloor-264
Sikafloor-21 PurCem

Total layer thickness:
1-6mm



WET PROCESSING

Milk processing, meat, fish, commercial kitchens breweries etc.



Coloured, smooth Epoxy Screed

- High wear resistance
- Good Chemical Resistance
- Medium thermal shock resistance
- Slip resistance options
- Easy cleaning
- Coloured

Sikafloor-91\Sikafloor-156
Sikafloor-21 PurCem NZ
Sikafloor-20 PurCem
Sikafloor-264 NZ

Total layer thickness:
3-9mm



EXTREME EXPOSURE

Chemical storage, High temperature processing, freezing etc.



Coloured, smooth Epoxy Screed

- High wear resistance
- High wear and abrasion
- Very good Chemical Resistance
- Coloured
- Easy Care
- High thermal shock resistance
- Hygienic
- Slip resistance options
- Coloured
- Easy cleaning
- Odour-free

Sikafloor-21 PurCem
Sikafloor-20 PurCem
Sikafloor-381
SikaCor VEL

Total layer thickness:
3-9 mm



LOGISTIC AND STORAGE

Warehouse, packaging, production etc.



Coloured, smooth Epoxy Screed

- High wear and abrasion resistance
- Good impact resistance
- Good chemical resistance
- Medium thermal resistance
- Slip resistance options
- Easy cleaning
- Coloured

Sikafloor-264
Sikafloor-2530 W
Sikafloor-381
Sikafloor EpoCem

Total layer thickness:
0.5-3mm





FOR MORE FLOORING INFORMATION:



WHO WE ARE

Sika AG, Switzerland, is a globally active speciality chemicals company. Sika supplies the building and construction industry as well as manufacturing industries (automotive, bus, truck, rail, solar and wind power plants, façades). Sika is a leader in processing materials used in sealing, bonding, damping, reinforcing and protecting loadbearing structures. Sika's product lines feature high quality concrete admixtures, specialty mortars, sealants and adhesives, damping and reinforcing materials, structural strengthening systems, industrial flooring as well as roofing and waterproofing systems.

Our most current General Sales Conditions shall apply.
Please consult the Data Sheet prior to any use and processing.



SIKA (NZ) LTD
PO BOX 19192
Avondale · Auckland
1746 · New Zealand

Contact
Phone 0800 745 269
Fax 0800 745 232
www.sika.co.nz

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