



SIKAFLOOR® PURCEM®  
FLOORING SOLUTIONS FOR  
THE FOOD INDUSTRY AND  
OTHER EXTREME SERVICE  
CONDITIONS

# FLOORING SOLUTION FOR THE FOOD INDUSTRY AND OTHER EXTREME SERVICE CONDITIONS

## HYGIENE AND FUNCTIONALITY - THE MAIN DESIGN CRITERIA IN FOOD PLANT FLOORING DESIGN

The design and construction of new food and beverage production facilities, or their refurbishment, are a complex process and must successfully combine two main disciplines: process engineering and architectural design.



### Sikafloor® Purcem

A dairy or beverage plant. A catering or industrial kitchen. A Winery. A slaughter house or fish packing facility. A bakery. A fruit and vegetable processing plant. A snack production facility. These are but a few examples of businesses that exist in the vast food processing industry. And each of them has its own specific requirements for flooring walls and other surfaces. Application examples include freezers, bottling lines, raw material processing and handling areas, packaging and storage areas, and the list goes on.

### RESISTANCE TO EXTREME SERVICE CONDITIONS

Sikafloor® Purcem is suitable for use in areas subject to:

- Extreme hygienic conditions which require frequent and intensive, steam or hot water and chemically aggressive cleaning
- Wet or dry production processes
- Spillage of, or exposure to, aggressive chemicals
- Highly demanding safety requirements concerning slip resistance
- Service temperatures up to +120 °C or down to -40 °C
- Heavy point loads
- Frequent and heavy traffic
- Impact

### APPLICATION RELATED ADVANTAGES

Sikafloor® Purcem has a range of application advantages including:

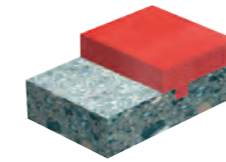
- Extremely high workability increases laying speed and greatly reduces downtime.
- Odour free and non-toxic
- Pre-dosed packaging with same resin / hardener ratio for all the screeds
- Generally no primer is required, allowing for single step applications which reduces downtime
- Tolerant to substrate moisture (<10%). Application to green concrete - 7 days

#### HEAVY DUTY

Easy trowel grade screed



Layer thickness 6 - 9 mm

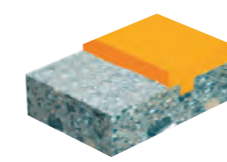


#### SELF-LEVELLING

Mid to heavy duty smooth screed



Layer thickness 3 - 6 mm

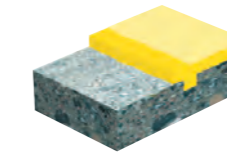


#### ANTI-SLIP

Mid to heavy duty self-levelling screed



Layer thickness 4 - 9 mm

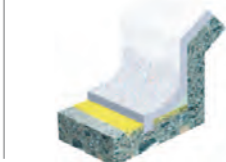


#### DETAILING MORTAR

For coving and fixing



Layer thickness 3 - 9 mm

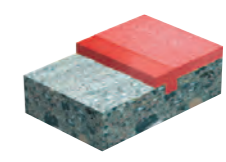


#### TOP COAT

A stand alone coating



Layer thickness 0.4-0.6 mm



### PROJECT RELATED NEEDS AND THE FUNCTION OF FLOORING SYSTEMS



- Suitable for Food Contact
- Quick turn around time
- Mechanical resistance is defined by type (transport load, type of tyres, contact area) and frequency of exposure
- Chemical resistance according to technical information. The Sika PurCem range offers high-end chemical resistance
- Resistant to thermal shock means that the coating system will not be negatively influenced by thermal exposure like ice, hail, steam cleaning or blast freezing. For steam cleaning, generally greater 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
- Impact resistance is related to the specific conditions of each operation. Allowance should be made for high point loads
- Permeability to liquids. Provides an impermeable seal protecting the concrete and the ground water from leakage of water and environmental pollutants
- Neutral odour and VOC-free (water-based system)
- Fire-resistant
- Available in a range of colours

#### Texture, Colour and Thickness Considerations:

Sikafloor® Purcem® systems are available in a range of colors, textures and thickness to service varying areas of your food plant subject to the customers specific requirements. Please consult your local Sikafloor® Purcem® expert for further information, advise or consultation on your project.



Traffic Grey



Dusty Grey



Slate Grey



Glass Green



Beige

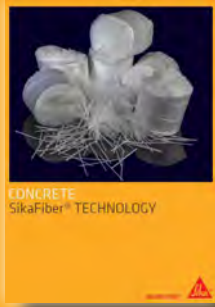


Maize Yellow



Oxide Red

# SIKA FULL RANGE SOLUTIONS FOR CONSTRUCTION:



## FOR SIKA GCC INFORMATION:



[gcc.sika.com](http://gcc.sika.com)

### WHO WE ARE

Sika is a globally active specialty chemicals company supplying the building and construction industry, as well as manufacturing industries. 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.



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