



# FLOORING

## Sikafloor® PurCem®

FLOORING SOLUTIONS FOR THE FOOD INDUSTRY AND OTHER EXTREME SERVICE CONDITIONS - SELECTION GUIDE

BUILDING TRUST



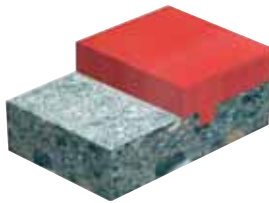
# Sikafloor® PurCem®

## Selection Guide



### HEAVY DUTY

Easy trowel grade screed.



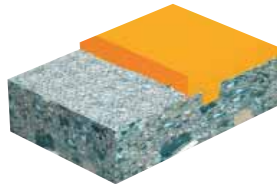
#### Sikafloor-20 N PurCem

Layer thickness:  
6 - 9mm



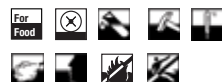
### SELF-LEVELLING

Mid to heavy duty smooth screed application.



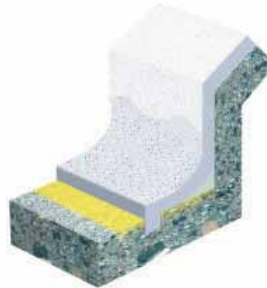
#### Sikafloor-21 FG PurCem

Layer thickness:  
4.5 - 6mm



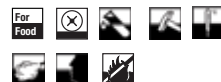
### DETAILING MORTAR

For coving and fixing.



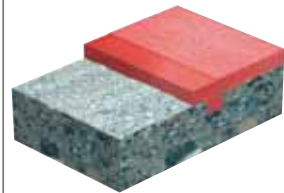
#### Sikafloor-29 N PurCem

Layer thickness:  
3 - 9mm



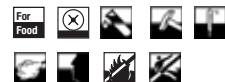
### TOP COAT

Also stand alone coating.



#### Sikafloor-31 N PurCem

Layer thickness:  
0.20 - 0.25mm



## 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 (at 9mm thick)
- Heavy point loads
- Frequent and heavy traffic
- Impact.

## PERFORMANCE RELATED ADVANTAGES

- Regulation compliant. Approved for use in the Food Industry USDA, Canadian and British and EN Standard approvals.
- Also meets the requirements of NZ Ministry of Primary Industries (formerly NZFSA)
- Chemical and abrasion resistant
- Quick curing for reduced down time
- Thermal shock resistant
- Wide service temperature range
- Very easy cleaning
- Non slip
- Multiple decorative finishes possible
- Surface is pore-free, textured and non absorbent.

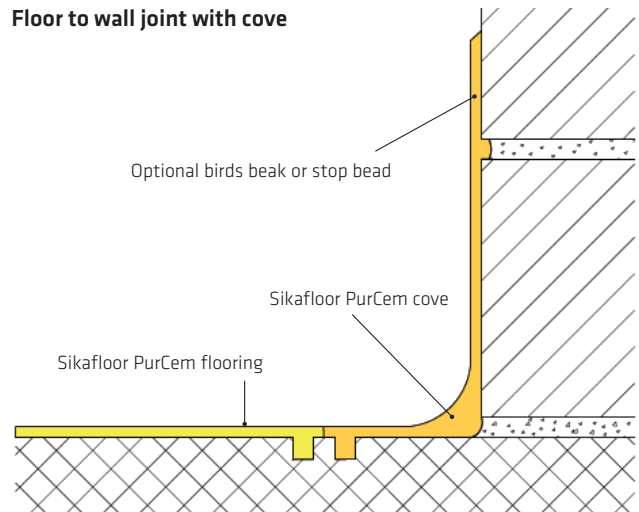
## APPLICATION RELATED ADVANTAGES

- 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%).

## SYSTEM RELATED CRITERIAS

### Floor to wall joint with cove



### Detailing

- Floor joints with Sikaflex-11 FC (new floors), or Sikadur-51 (stable, older floors >18 months)
- Concrete patching and repair
- Coving, connections to gullies and other details, see Method Statement for Application.

### High substrate humidity

On green concrete slabs, cementitious screeds or damp substrates, Sikafloor-EpoCem may be required.

Sikafloor PurCem technology allows application on concrete from 7 days of age.

Please refer to the current Product Data Sheet.

## PROJECT RELATED REQUIREMENTS AND FUNCTIONS OF FLOORING SYSTEMS



For food contact.



Chemical resistance according to technical information. The Sika PurCem range offers high-end chemical resistance.



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.



Fire-resistant.



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



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.



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



Neutral odour and VOC-free (water-based system).

# SELECTION GUIDE

PRODUCT	DESCRIPTION	CONSUMPTION
Sikafloor-20 N PurCem	Easy trowel grade, heavy duty, three part modified PU screed.	1.85 - 2.10kg/m <sup>2</sup> /mm
Sikafloor-21 FG PurCem	Self-levelling grade, medium to heavy duty, three part modified PU screed.	1.90 - 2.00kg/m <sup>2</sup> /mm
Sikafloor-29 N PurCem	Hand trowel grade, medium to heavy duty, three part modified PU detailing mortar.	~2. 16kg/dm <sup>2</sup>
Sikafloor-31 N PurCem	Three part modified PU top coat or stand alone coating.	0.30 - 0.36kg/m <sup>2</sup>
Sikafloor-156	Low viscosity, solvent-free epoxy primer for Sikafloor-29 N PurCem.	0.30 - 0.50kg/m <sup>2</sup>
Sikafloor-155 WN	Water based, two part epoxy primer for EpoCem systems.	0.20 - 0.40kg/m <sup>2</sup>
Sikafloor-81 EpoCem	Three part, epoxy modified cementitious screed for thin layer. Temporary Moisture Barrier (2 - 3mm).	~2. 25kg/m <sup>2</sup> /mm

## SikafloorPurCem Colour Range

The RAL reference of the colour available is: Beige (~ RAL 1001). A selected range of colours are available upon request. Minimum order quantities apply. Please consult Sika (NZ) Ltd for lead times.

# 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.



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