



## **Sikafloor®-PurCem®**

Flooring Solutions for the  
Food Industry and other  
extreme Service Conditions  
Selection Guide





# Flooring Solutions for the Food Industry and other extreme Service Conditions

## Selection Guide

### 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

### Performance related Advantages

- Regulation compliant. Approved for use in the Food Industry USDA, Canadian and British and EN Standard approvals
- 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
- Its 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%)



### Project related Needs and the Function of Flooring Systems

**For Food** For Food Contact

**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**

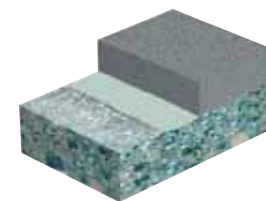
#### Heavy duty

Easy trowel grade screed

**Sikafloor®-20 N PurCem®**



Layer thickness 6 – 9 mm



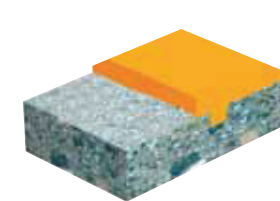
#### Self - Levelling

mid to heavy duty smooth screed

**Sikafloor®-21 N PurCem®**



Layer thickness 4.5 – 6 mm



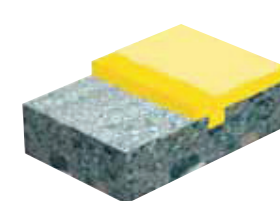
#### Anti-slip

mid to heavy duty self - levelling screed

**Sikafloor®-22 N PurCem®**



Layer thickness 4.5 – 6 mm



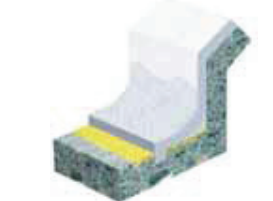
#### Detailing Mortar

for coving and fixing

**Sikafloor®-29 N PurCem®**



Layer thickness 3 – 9 mm



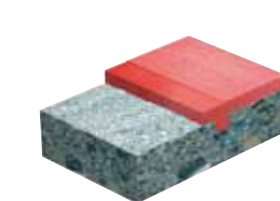
#### Top Coat

and stand alone coating

**Sikafloor®-31 N PurCem®**

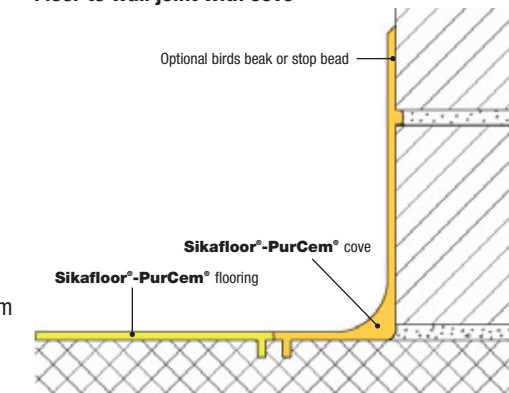


Layer thickness 0.20 – 0.25 mm



#### System related Criterias

Floor to wall joint with cove



#### Detailing

- Floor joints with **Sikaflex® PRO-3 WF**
- 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®- N PurCem®** technology allows application on concrete from 7 days of age.

Please refer to the valid Product Data Sheet.



# Sikafloor®-PurCem®

## Flooring Solutions for the Food Industry and other extreme Service Conditions

Product	Consumption
<b>Sikafloor®-19 N PurCem®</b> Hand trowel grade, heavy duty, 3 part modified PU screed.	1.95 – 2.25 kg/m <sup>2</sup> / mm
<b>Sikafloor®-20 N PurCem®</b> Easy trowel grade, heavy duty, 3 part modified PU screed.	1.85 – 2.10 kg/m <sup>2</sup> / mm
<b>Sikafloor®-21 N PurCem®</b> Self levelling grade, medium to heavy duty, 3 part modified PU screed.	1.90 – 2.00 kg/m <sup>2</sup> / mm
<b>Sikafloor®-22 N PurCem®</b> Self levelling grade, medium to heavy duty, 3 part modified PU screed for broadcast finish	2.00 – 2.10 kg/m <sup>2</sup> / mm
<b>Sikafloor®-29 N PurCem®</b> Hand trowel grade, medium to heavy duty, 3 part modified PU detailing mortar	~ 2.16 kg / dm <sup>3</sup>
<b>Sikafloor®-31 N PurCem®</b> 3 part modified PU top coat or stand alone coating.	0.30 – 0.36 kg/m <sup>2</sup>
<b>Sikafloor®-10 N PurCem® Primer</b> 100% Solids, tacky two part epoxy primer for	~ 0.4 kg/m <sup>2</sup>
<b>Sikafloor®-29N PurCem®</b> detailing and coving.	
<b>Sikafloor®-155 WN</b> Water based, two part epoxy primer for the <b>EpoCem®</b> system	0.2 – 0.4 kg/m <sup>2</sup>
<b>Sikafloor®-81 EpoCem®</b> Three part, epoxy modified cementitious screed for thin layer Temporary Moisture Barrier (2-3 mm)	~ 2.25 kg/m <sup>2</sup> / mm



### Sikafloor®-PurCem® Colour Range

The approximate RAL references of the colours are : Beige (~ RAL 1001), Maize yellow (~RAL 1006), Oxide red (~ RAL 3009), Sky blue (~ RAL 5015), Grass green (~ RAL 6010), Dusty grey (~ RAL 7037), Agate grey (~ RAL 7038), Telegrey2 (~ RAL 7046).  
Custom colour matching is available upon request. Minimum order quantities apply. Please consult for lead times.

### Also available from Sika



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

