



Sikafloor[®]-PurCem[®]
Flooring Solutions for the Food Industry
and other Extreme Service Conditions
Selection Guide

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Resistance to Extreme Service Conditions

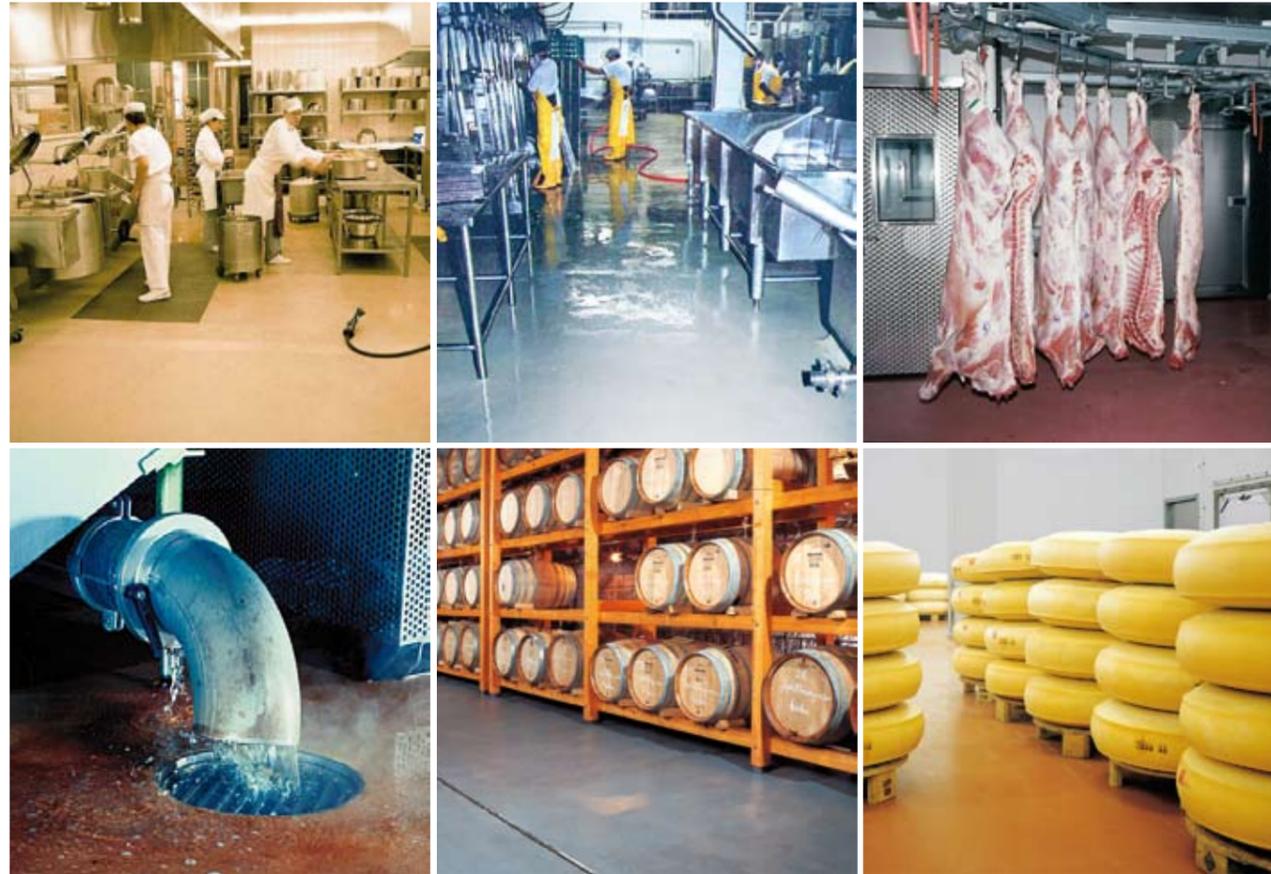
- Sikafloor®-PurCem®** is suitable for use in areas subject to:
- Extreme hygienic conditions which require frequent and intensive, steam or hot water and chemically aggressive cleaning
 - Wet or dry production processes
 - Spillage of, or exposure to, aggressive chemicals
 - Highly demanding safety 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 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

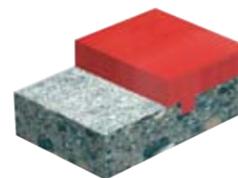
Heavy Duty

Easy trowel grade screed

Sikafloor®-20 N PurCem®



Layer thickness 6 – 9 mm



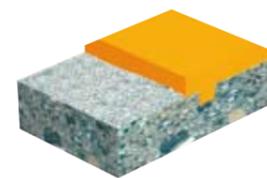
Self-Levelling

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



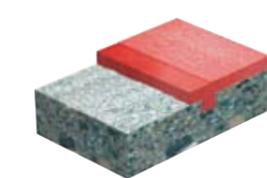
Top Coat

And stand alone coating

Sikafloor®-31 N PurCem®

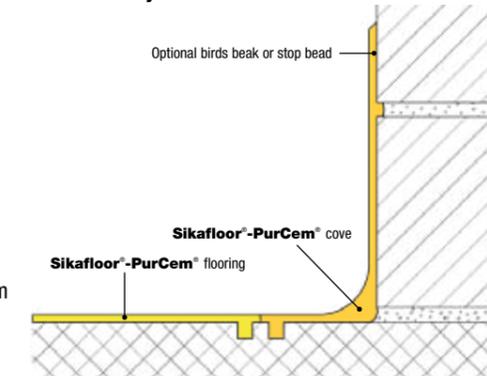


Layer thickness 0.20 – 0.25 mm



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®

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



Sikafloor®-PurCem® Colour Range

The approximate RAL references of the colours are: Beige (~ RAL 1001), Maize Yellow (~RAL 1006), Oxide red (~ RAL 3009), Blue (~ RAL 5015), Grass green (~ RAL 6010), Stone (~ 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.

