



FLOORING

Sikafloor[®]-PurCem[®]

POLYURETHANE SYSTEM

BUILDING TRUST



APPLICATION GUIDELINES

SURFACE INSPECTION

The cementitious substrate should be sound and of sufficient strength (min. 25 N/mm²). Minimum pull off strength 1.5 N/mm². Free from grease, oil and contaminants

SURFACE PREPARATION

All dust, loose and friable materials must be completely removed by mechanical means. Existing coatings have to be removed and mechanically ground to achieve a sound, gripping substrate.

CLIMATIC CONDITIONS

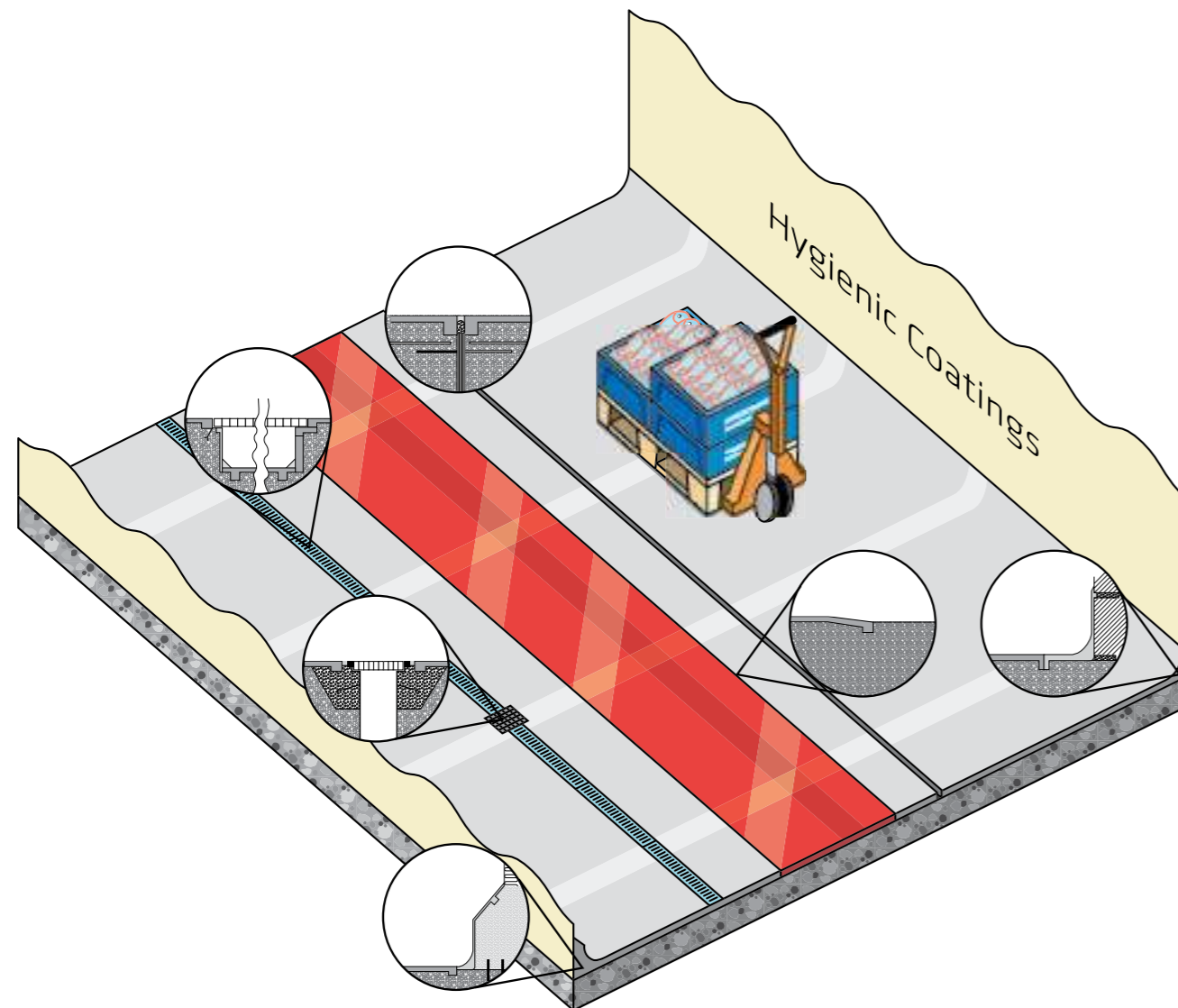
Minimum +10°C (but min. +3°C above dew point)
Maximum +30°C
Relative humidity max. 80%

SUBSTRATE HUMIDITY

On green concrete slabs, cementitious screeds or damp substrates Sikafloor®-EpoCem® may be required. See the Technical Data Sheet.

ADDITIONAL DETAILS

- Floor joints
- Concrete repair
- Coving, connections to gullies, see the Technical Data Sheet and supporting documentation
- Retaining grooves must be used to prevent curling during cure
- Colourpacks for on-site colouring



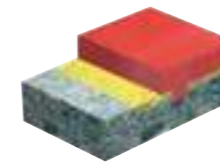
PROJECT RELATED REQUIREMENTS

- 3-component products. For use by trained specialists only.
- 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..

PRODUCT	PACK SIZE	COVERAGE
Sikafloor®-20 PurCem®	32.5 kg	2.6m ² @ 6mm
Sikafloor®-21 PurCem®	21 kg	3.5m ² @ 3mm
Sikafloor®-22 PurCem®	23 kg	2.3m ² @ 5mm
Sikafloor®-24 PurCem®	20 kg	5m ² @ 2mm
Sikafloor®-29 PurCem®	22 kg	Equivalent to 11 litres
Sikafloor®-31 PurCem®	5.1 kg	25m ² @ 0.2mm
Sikafloor® PurCem® Colourpack	2.615 kg	N/A

HEAVY DUTY SCREEDING

Layer thickness 6-9mm



SIKA SYSTEM

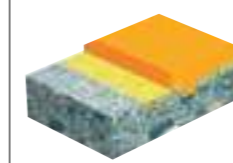
Primer: Sikafloor®-161/
Sikafloor®-155WN
broadcast with quartz sand
Topping: Sikafloor®-20
PurCem® a 3 component
water-based, slip resistant,
polyurethane heavy duty
screed

APPLICATION METHOD



MEDIUM DUTY SCREEDING

Layer thickness 2-6mm



SIKA SYSTEM

Primer: Sikafloor®-161/
Sikafloor®-155WN
Topping: Sikafloor®-21/-24
PurCem® a 3-component
water based polyurethane,
self smoothing, medium duty
screed **OR**
High Slip Resistance Screed
Sikafloor®-22 PurCem®
broadcast with coloured
quartz sand unsealed or
various types of aggregates
such as natural quartz sand,
silicon carbide or white fused
alumina, in different grit
sizes, sealed with 1-2 coats
of Sikafloor®-31 PurCem®
depending on desired texture

APPLICATION METHOD



COVING AND DETAILING

Layer thickness 3-60mm



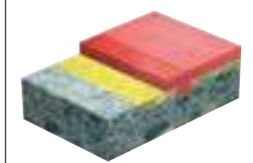
SIKA SYSTEM

Primer: Sikafloor®-161/
Sikafloor®-155WN
Mortar: Sikafloor®-29
PurCem® a 3-component
water-based polyurethane,
detailing mortar.
Top coat: 2x Sikafloor®-31
PurCem®

APPLICATION METHOD



THIN FILM COATING/ SEAL COAT



SIKA SYSTEM

Base layer: Sikafloor®-20/-21
PurCem®, Sikafloor®-22/-24
PurCem® or Sikafloor®-29
PurCem®
Top coat: 2x Sikafloor®-31
PurCem® a 3-component
water-based polyurethane
thin film coating
To seal coving or optimise
aesthetics of Sikafloor®-20
PurCem® **OR**
Seal Coat
Base coat: Seal coat: 1 x
Sikafloor®-31 PurCem®

APPLICATION METHOD



Notes: Primers are not always necessary. Steam cleaning ONLY applies to Sikafloor®-20 PurCem® when laid at >9mm.

SIKA FULL RANGE SOLUTIONS FOR CONSTRUCTION:



WATERPROOFING



CONCRETE



REFURBISHMENT



DISTRIBUTION



SEALING AND BONDING



FLOORING



ROOFING



INDUSTRY

FOR FURTHER INFORMATION:



WHO WE ARE

Sika Limited is part of the global Sika Group, specialising in the manufacture and supply of chemical based products for construction and industry. Sika is a world-leader in its field with subsidiaries in more than 80 countries, 15,200 employees, and annual sales of CHF 5.1 billion (£3.4bn). We are also committed to providing quality, service, safety and environmental care.

In the UK, we provide market-leading solutions for concrete, waterproofing, roofing, flooring, refurbishment, sealing & bonding, and industry, and have manufacturing sites in Welwyn Garden City, Preston, and Leeds with 700 employees and a turnover of £190 million.

The information, and, in particular, the recommendations relating to the application and end use of Sika® products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Product Data Sheet for the product concerned, copies of which will be supplied on request.



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BUILDING TRUST

