



FLOORING AND COATING

Sikafloor[®] PurCem[®] Gloss

FUNCTIONAL, ECOLOGICAL AND ECONOMICAL FLOORING SYSTEM

BUILDING TRUST



Sikafloor® PurCem® Gloss – POLYURETHANE / CEMENTITIOUS HYBRIDS

Functional, Ecological and Economical Flooring Systems

Sikafloor® PurCem® Gloss is the new generation of functional flooring solutions from Sika. It is sustainable and user friendly as well as highly durable, aesthetically pleasing and easy to clean.

The Sikafloor® PurCem® Gloss products and systems are a new addition to the successful Sika HyCem® hybrid polymer technology. Sikafloor® PurCem® Gloss systems meet the highest environmental regulations, they combine the advantages of existing polyurethane cement technology and common resin based flooring systems with functionality, ecological and economical benefits.

CERTIFICATES AND APPROVALS

- Taint Potential in Food Production. Campden BRI, UK
- Cleanability and Hygiene. Fraunhofer Test Institute, Germany
- Flooring in Food Sector. ISEGA, Germany
- Indoor Air Comfort – Gold Certificate. Eurofins, Germany
- Slip resistance behaviour. MPI Prüfinstitut, Germany

MAIN USES



Food and Beverage Industry



Manufacturing and Process Industry



Traffic and Transportation Facilities



Commercial and Residential buildings



ADVANTAGES FOR THE USER

- High functionality – suitable for a wide range of applications, easy to maintain and clean
- Low downtime – quick and easy to install
- Reduced life cycle costs – excellent durability
- Safe – hygienic and anti-slip
- Low environmental impact – waterbased, low emissions
- Aesthetics – glossy, abrasion resistant surface

ADVANTAGES FOR THE APPLICATOR

- User friendly – odourless
- No moisture risk and measurement – can be applied on substrates with high moisture content
- Fast and easy application – excellent workability
- Versatile – a range of different finishes and surface profiles are possible



CHARACTERISTIC



Glossy Appearance

- Easy to keep clean
- Good aesthetics



Hard Surface

- Excellent scratch resistance
- No indentations



Ultra Low VOC

- Fulfills future environmental regulations
- Waterbased
- Taint free



High Chemical Resistance

- Resistant to aggressive cleaning detergents
- Durable under chemical exposure



Economic Efficiency

- Improved life cycle cost
- Good cost to performance ratio



Food Approved

- No risk for food products



Slip-resistant

- Safe to use



Hygiene

- Seamless
- Impervious surface
- Easy to clean and maintain



Tolerance to Moisture

- Application possible on substrates with moisture content

FOOD AND BEVERAGE INDUSTRY

Safety, Hygiene and Ease of Cleaning



Hygiene and safety are two essential factors in food and drink production facilities. Strict criteria exists for this type of facility, which must be fulfilled in order to ensure product and personal safety. Sikafloor® PurCem® Gloss floor surfaces can help achieve a safe and hygienic environment by providing an impervious, seamless, durable and slip resistant solution.

USES

- Wet processing areas
- Dry processing areas
- Packaging areas
- Laboratories
- Storage areas
- Freezers
- Cold rooms

MAIN BENEFIT - HYGIENE

- Impervious
- Non-absorbing surface
- Seamless finish
- Highly hygienic
- Unfavourable platform for bacteria growth

MAIN BENEFIT - CLEANIBILITY

- Dense and hard surface
- Glossy
- High chemical resistance
- Low dirt pick up – wet or dry
- Easy and fast to clean and sanitize with aggressive methods and chemicals

MAIN BENEFIT - SAFETY

- Water-based
- Odourless and VOC-free – during application and curing
- Surface texture can be designed and easily accommodated according to requirements
- No contamination of food products
- Facility operations no need to break during application
- Floor surface can be designed optimally
- Safe for users and traffic

MANUFACTURING AND PROCESS INDUSTRIES

Durable and Economical Solution



Frequent and heavy traffic, falling objects, liquid and chemical spillages – all these are typical stresses experienced by floors in industry and manufacturing facilities. Functional and durable Sikafloor® PurCem® floors meet the full range of requirements for industrial facilities, and with its functionality, Sikafloor® PurCem® Gloss can also contribute to the profitability of a facility.

USES

- Chemical and oil processing
- Pharmaceutical industry
- Pulp and paper processing
- Workshops
- Automotive industry
- Machine manufacturing
- Warehouses and storages
- Clean and waste water plants
- Laboratories

MAIN BENEFIT - DURABILITY

- High abrasion resistance
- Good impact resistance
- High chemical resistance
- No indentations under load
- Long life flooring solution
- Minimal repairs
- No interruption in facility operations
- Form stable

MAIN BENEFIT - ECONOMIC EFFICIENCY

- Single product – multiple applications
- Tough and robust
- Moisture tolerant
- Short downtime
- Multi-functional
- Highly versatile
- Easy and fast application
- Good cost performance

TRAFFIC AND TRANSPORTATION

Protection and Economic Performance



Floors in car parks, hangars and garages are exposed to vehicle traffic, brake fluids, oils, de-icing chemicals and water ingress. Functional aspects like slip resistance, light reflectance and ease of maintenance improve the operations of the floor. Abrasion and chemical resistant Sikafloor® PurCem® Gloss flooring provides a long term, safe and economic solution for any kind of trafficked areas.

USES

- Car Parks
- Parking decks
- Ramps
- Garages
- Hangars
- Transportation infrastructure
- Maintenance workshops

MAIN BENEFIT - IMPROVED LIFE CYCLE PERFORMANCE

- High abrasion resistance
- High bond to substrate
- Easy to maintain
- Large range of layer thicknesses and surface textures
- Light reflective
- Withstands frequent and heavy traffic - no breaks in operations
- Long term gloss appearance - ease of maintenance
- Improved life cycle cost performance
- Layer thickness can be adjusted to budget and uses

MAIN BENEFIT - CHEMICAL RESISTANCE

- Water, de-icing salts, brake fluids, oil and fuel resistance
- Increased performance in compared to common resin systems

COMMERCIAL AND RESIDENTIAL BUILDINGS

Ecological, Safe and User Friendly



In commercial and residential buildings glossy, seamless and non-taint Sikafloor® PurCem® Gloss flooring provides a durable, functional and an easy to maintain solution with an aesthetically pleasing finish. The range of different surface textures and thicknesses allows Sikafloor® PurCem® Gloss to be designed to match the requirements of all floor users.

USES

- Basements
- Storage areas
- Commercial kitchens
- Distribution centers
- Shopping outlets
- Back of house areas
- Laundry and washing rooms

MAIN BENEFIT - SEAMLESS AND MECHANICAL ROBUST

- Scratch and wear resistant
- Seamless
- Dense surface
- Glossy
- Long life
- «Liquid tile»
- Easy to maintain
- Multi-functional

MAIN BENEFIT - ENVIRONMENTAL FRIENDLY











- No volatile emissions (VOC)
- Odourless
- Extremely good Life Cycle Assessment (LCA) rating
- Healthy environment
- Safe to use
- Contributes to LEED and Green Building Certification

Sikafloor® PurCem® Gloss – POLYURETHANE / CEMENTITIOUS HYBRIDS

Selection Guide

Sikafloor® PurCem® Gloss is the new generation functional flooring solution from Sika. It is user friendly, highly durable, aesthetically pleasing, and easy to maintain. The finish and the thickness of Sikafloor® PurCem® Gloss system can be designed according to the specific requirements of the project.

FLOORS SELECTION CRITERIA AND Sikafloor® PurCem® Gloss PERFORMANCE

Requirement/ Exposure	Main Criteria/Measure	Sikafloor® PurCem® Gloss Performance
 Temperature	Material Glass Transition point	Extremely high
 Thermal shock	System thickness	Medium to high
 Chemicals	Chemical resistance	High resistance
 Impact	System thickness	Medium to high
 Abrasion	Surface hardness	Extremely good – «Liquid Tile»
 Slip-resistance	Surface texture	Range of textures and finishes
 Cleanability & Hygiene	Surface density Chemical resistance	High chemical resistance Glossy and impervious surface
 Reaction to Fire	Material property System build up	Good performance
 Application	Moisture content of the concrete Curing time	Application on moist substrates Fast curing
 Sustainability	VOC emissions Life Cycle assessment	No odour and VOC emissions Improved LCA performance

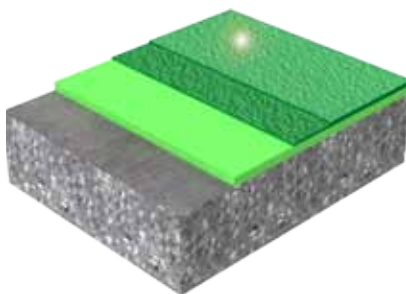
Available Sikafloor® PurCem® Gloss Colors



PurCem® Gloss SYSTEMS

Sikafloor® PurCem®- HB21 Gloss

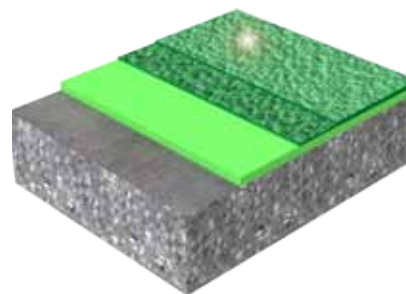
Anti-slip light



Scratch coat (optional):
Sikafloor®-210/-260 PurCem®
Basercoat: Sika-
floor®-21/-22/-24/-210/
-260 PurCem®
Broadcast: QS 0,4 – 0,8 mm
Top coat: Sikafloor®-310
System thickness 4 – 7 mm

Sikafloor® PurCem®- HB22 Gloss

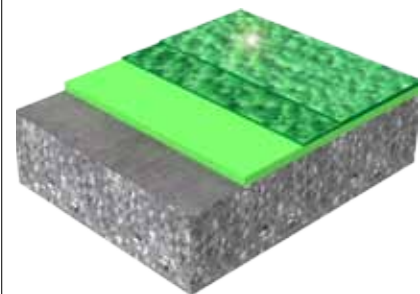
Anti-slip medium



Scratch coat (optional):
Sikafloor®-210/-260 PurCem®
Basercoat: Sika-
floor®-21/-22/-24/-210/
-260 PurCem®
Broadcast: QS 0.7 – 1.2 mm
Top coat: Sikafloor®-310 PurCem®
System thickness 4 – 7 mm





Sikafloor® PurCem®- HB23 Gloss

Anti-slip high



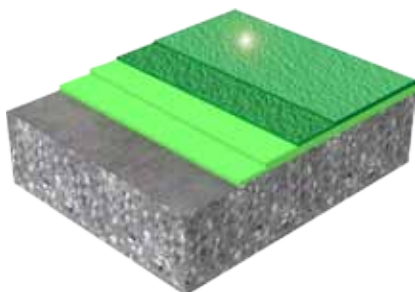
Scratch coat (optional):
Sikafloor®-210/-260 PurCem®
Basercoat: Sika-
floor®-21/-22/-24/-210/
-260 PurCem®
Broadcast: QS 1 – 2 mm
Top coat: Sikafloor®-310 PurCem®
System thickness 4 – 7 mm

SYSTEM SELECTION GUIDE

	Food & Beverage	HS21 Gloss	HS26 Gloss	HB21 Gloss	HB22 Gloss	HB23 Gloss	HB26 Gloss
	Wet processing	*	*	***	***	***	**
	Dry processing	***	***	*	*	*	**
	Freezer	*	*	**	**	**	**
	Cold room	**	***	***	***	*	***
	Packaging	**	***	***	*	*	**
	Processing and Manufacturing	HS21 Gloss	HS26 Gloss	HB21 Gloss	HB22 Gloss	HB23 Gloss	HB26 Gloss
	Workshop	***	***	*	*	*	*
	Chemical	**	***	**	*	*	***
	Processing storage	***	***	**	*	*	**
	Warehouse (Industrial)	**	***	*	*	*	*
	Traffic and Carports	HS21 Gloss	HS26 Gloss	HB21 Gloss	HB22 Gloss	HB23 Gloss	HB26 Gloss
	Parking deck	**	**	***	**	*	**
	Ramp (parking)	*	*	***	***	***	*
	Hangar	**	***	*	*	*	**
	Garage	***	***	*	*	*	**
	Commercials and Residential	HS21 Gloss	HS26 Gloss	HB21 Gloss	HB22 Gloss	HB23 Gloss	HB26 Gloss
	Distribution centers	***	***	*	*	*	**
	Shopping outlet	***	***	*	*	*	*
	Commercial kitchen	**	***	***	**	*	***
	Basement (residential)	***	**	*	*	*	**
	Technical utility room	***	**	*	*	*	**

Sikafloor® PurCem®- HB26 Gloss

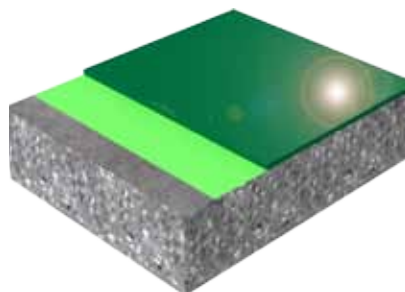
Anti-slip gloss



Scratch coat:
Sikafloor®-210/-260 PurCem®
Wearcoat: Sikafloor®- 210/260
PurCem®
Broadcast: QS 0.4 - 0.8 mm
Top coat: Sikafloor® -310 PurCem®
System thickness 2 - 4 mm

Sikafloor® PurCem®- HS21 Gloss

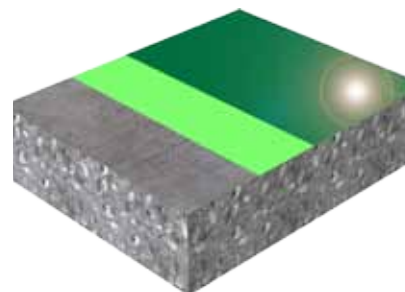
Smooth gloss



Scratch coat:
Sikafloor®-210/-260 PurCem®
Wearcoat: Sikafloor®- 210 PurCem®
System thickness 3 - 6 mm

Sikafloor® PurCem®- HS26 Gloss

Thin smooth gloss



Scratch coat:
Sikafloor®-210/-260 PurCem®
Wear coat: Sikafloor®-260 PurCem®
System thickness 1.5 - 3 mm

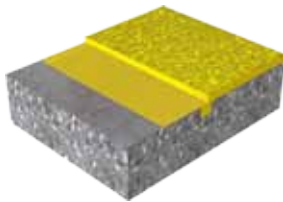
PRODUCTION AND PROCESSING AREAS

Extreme Exposure
(Combinations of Wet Conditions, Chemicals, Temperatures and Abrasion)

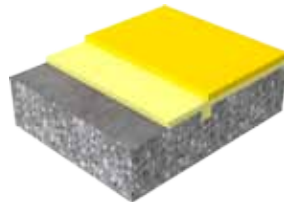


SYSTEM

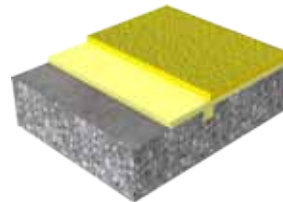
Sikafloor® PurCem® HM-20



Sikafloor® PurCem® HS-21



Sikafloor® PurCem® HB-22



DESCRIPTION

Heavy-duty, lightly textured, high chemical, mechanical and temperature resistant polyurethane cementitious hybrid screed

Medium- to heavy-duty, self-leveling, smooth polyurethane cementitious hybrid screed

Medium- to heavy-duty, broadcasted, medium anti-slip polyurethane cementitious hybrid screed

NOMINAL THICKNESS / LAYERS

6-9 mm

4,5-6 mm

4,5-6 mm

1-2

2

2-4

CHARACTERISTICS

- Highly frost / blast freezing resistant (> -40°C)
- Heavy duty screed, high wear resistance
- High chemical resistance
- Thermal shock resistance
- Easy cleaning (steam cleaning resistant)
- Slip resistant
- Color options
- Low VOC, low odor

- Highly frost / blast freezing resistant (> -40°C)
- Heavy duty screed, high wear resistance
- High chemical resistance
- Thermal shock resistance
- Easy cleaning
- Slip resistant
- Color options
- Low VOC, low odor

- Highly frost / blast freezing resistant (down to -40°C)
- Heavy duty screed, high wear resistance
- High chemical resistance
- Thermal shock resistance
- Hygienic
- Slip resistant
- Color options
- Low VOC, low odor

SYSTEM COMPONENTS

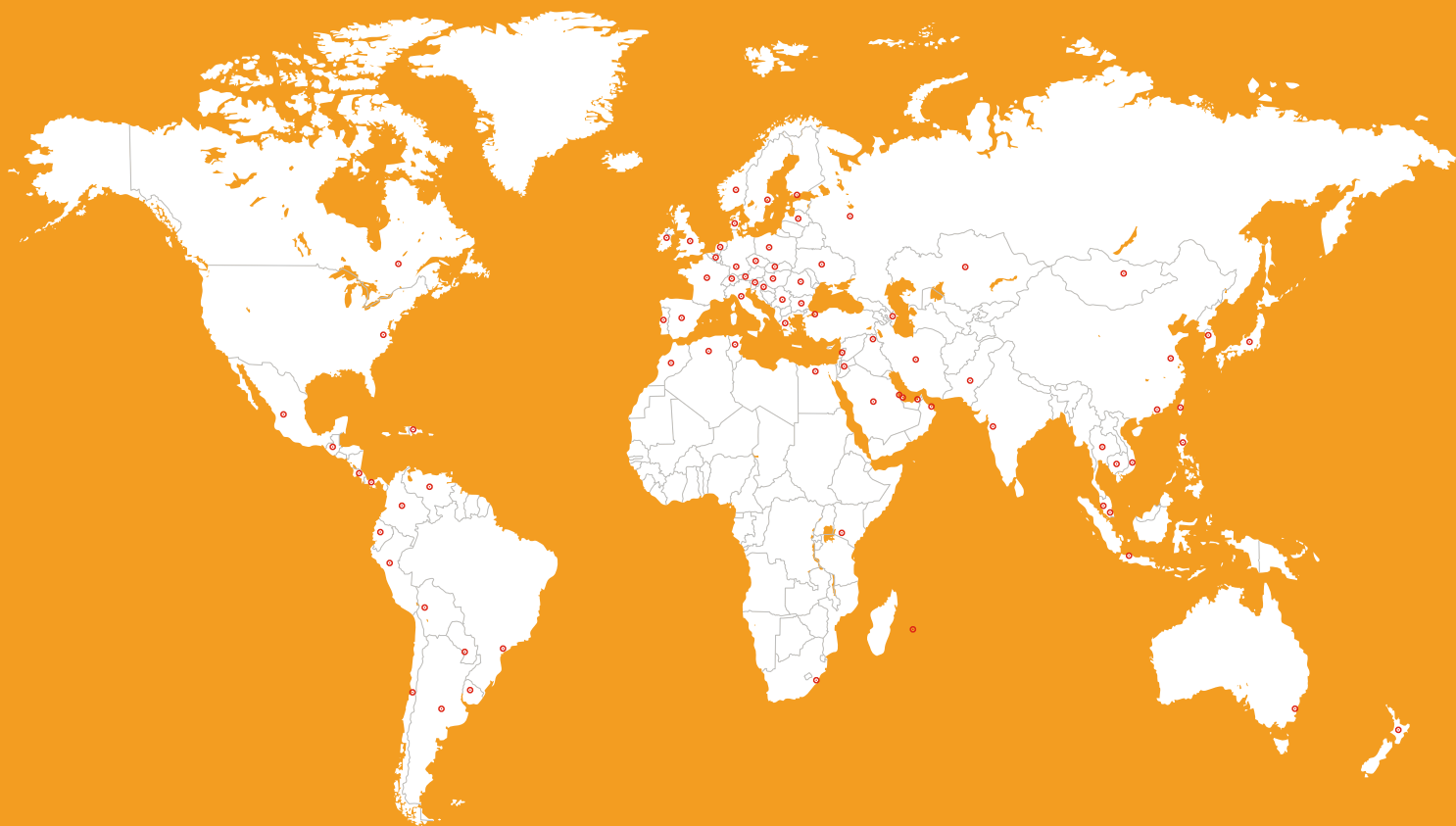
- If required: Sikafloor®-156 or -161 or -160 (+ quartz sand broadcast)
- Sikafloor®-20 PurCem®

- Sikafloor®-21 PurCem®

- Sikafloor®-21 or -22 or -24 PurCem®
- Quartz sand (0.7 - 1.2 mm)
- Sikafloor®-31 PurCem®



GLOBALT MEN LOKALT PARTNERSKAP



MER INFORMATION:



Sika Sverige AB, som ingår i den globala koncernen Sika AG, är en ledande leverantör av kemiska specialprodukter.

Sika levererar lösningar, system och produkter till byggbranschen och tillverkande industrier och är en ledare inom material som används för att foga, fästa, dämpa, förstärka och skydda lastbärande konstruktioner.

Sikas produktsortiment består av högkvalitativa betongtillsatsmedel, specialbruker, lim & fog, dämpande och förstärkande material, system för strukturell förstärkning, industrigolv samt tak och vattentätande system.

Våra senaste försäljningsvillkor gäller.

Vänligen läs alltid gällande Tekniskt Datablad före användning av våra produkter.



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