



HEALTHCARE FACILITIES SEAMLESS FLOORING SYSTEMS

SPECIFICATION GUIDE

BUILDING TRUST





GUIDELINE FOR HOSPITAL HYGIENE AND INFECTION PREVENTION

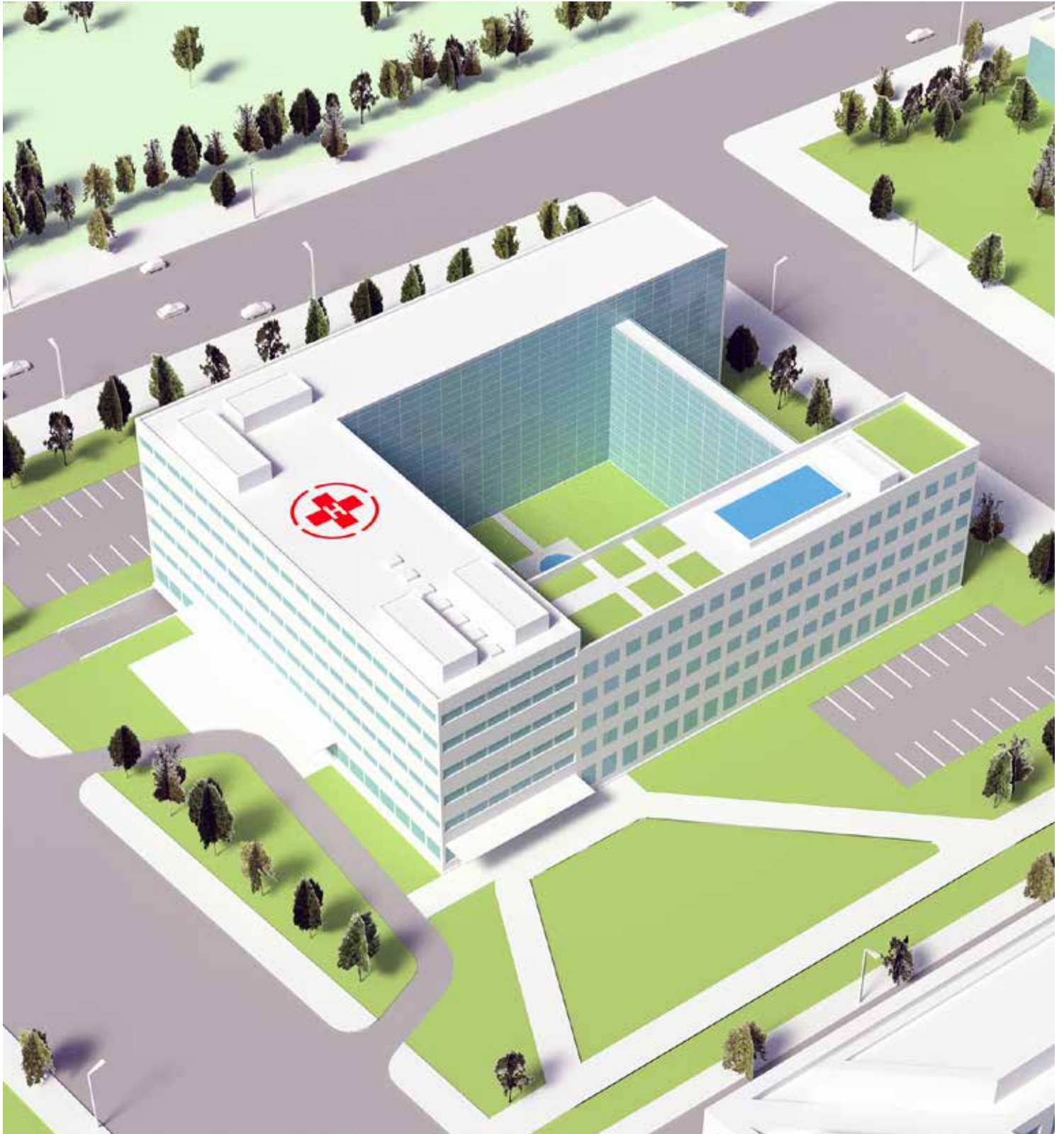
BY FEDERAL HEALTH DEPARTMENT / ROBERT KOCH INSTITUTE

“Ceilings, walls and floors must be smooth, jointless, and washable with disinfectants or other methods of disinfection. The wall surfaces should be shock resistant, and the flooring should be liquid-tight and smoothly connected to the wall with a cove.”

CONTENT

04	The Best Solution for Every Level of Clinical Treatment
06	Healthcare Facilities
08	Sika Flooring Selection Guide
10	Sika ComfortFloor® Systems, Description, Performance Specification
14	Sikafloor® DecoDur Systems, Description, Performance Specification
16	Sikafloor® PurCem Systems, Description, Performance Specification
20	References
22	Certificates
24	Improving Public Buildings Carbon Footprint
25	Chemical Resistance
26	Detailings
28	Floor Care in Healthcare
30	Floor Repair
31	Optional Solutions

THE BEST SOLUTION FOR EVERY LEVEL OF CLINICAL TREATMENT



NONE

1

Administration,
Offices

LOW

2

Entrance areas,
Waiting rooms

3

Corridors, Elevators,
Public toilets

4

Patient room

5

Laboratories

6

Commercial Kitchen

7

Bathrooms and hygiene
rooms

8

Therapeutic pool

9

Treatment room

HIGH

10

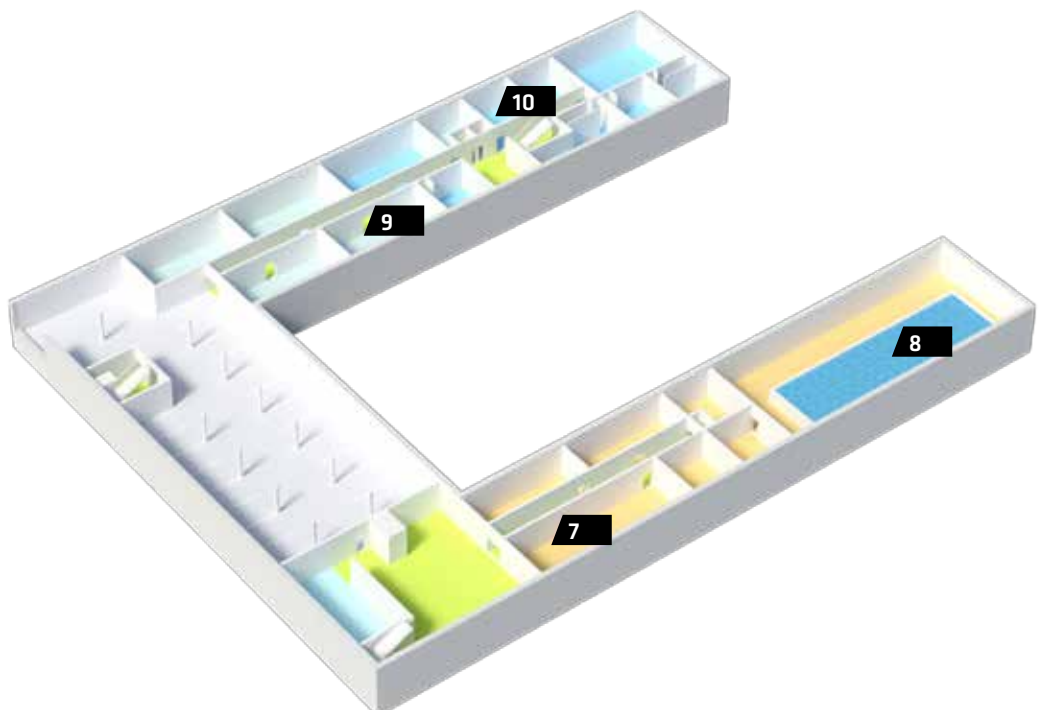
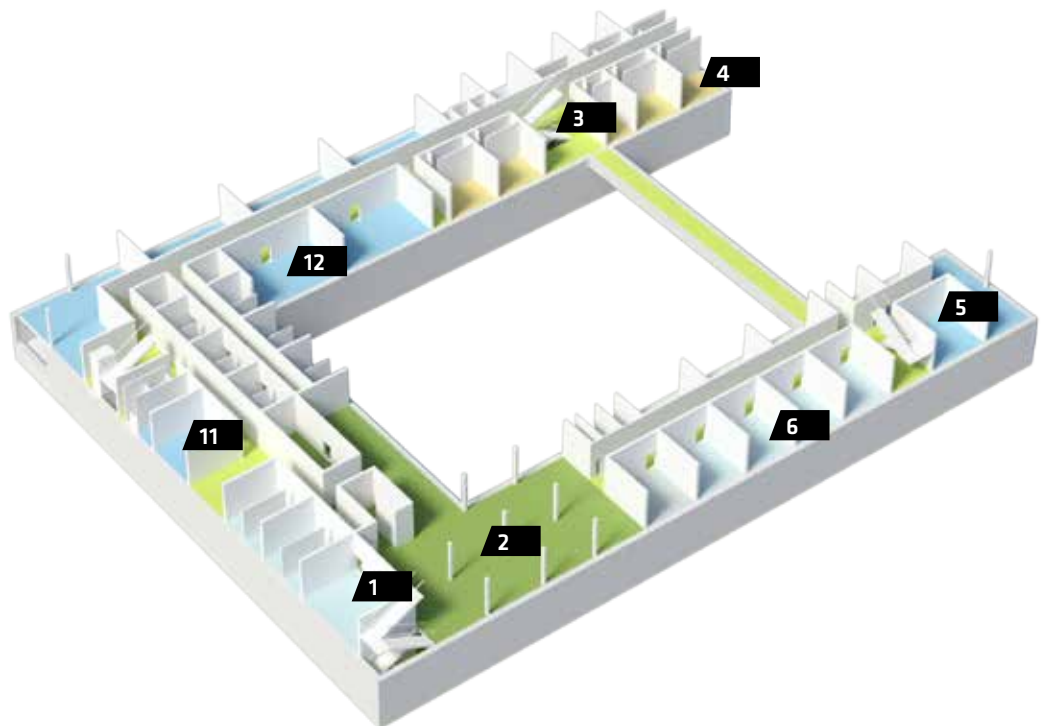
X-ray centres

11

Intensive care and
infectious disease units

12

Operating rooms



HEALTHCARE FACILITIES

Demands on the floors and walls

DEMANDS TO BE MET IN HEALTHCARE ENVIRONMENTS

Safety

All facilities need to comply with safety regulations and precautions not only for the spreading of infections being seamless, but also for slip or trip accidents, protection of sensitive equipment and personnel operating this equipment and reaction to fire.

Comfort

A floor that provides a soft footfall allowing the staff not to get exhausted and to lower the acoustic impact from the floor to the facility. A floor that feels warm with a low thermal conductivity and finally seamless solutions for walls and floors preventing bacterial growth in seams and joints.

Resistance to intended use

The floors and walls have to account for a long service life. The heritage from industrial applications ensures this performance, both from mechanical, thermal and chemical loading.

Aesthetics

The facilities have to be appealing in the aesthetic sense. This will relieve stress and help patients recover. But it does also make it possible to incorporate a spatial orientation in the floors and walls to direct staff and patients by means of color coding.

Maintenance

All surfaces carry an inherent risk of transferring infectious microorganisms if not cleaned properly. Walls have a higher risk for this than floors, but both require adequate and frequent cleaning. The seamless floor and wall solutions account for efficient cleaning.

Durability

The aspects of a long service life are of course connected to the resistance of various kinds of loading. This also means that a proper selection has to be made for the specific areas in the facility.

Sustainability

In a facility where people are being treated for various conditions the indoor air quality has to be good. Low emissions are mandatory. But it also requires the floor and wall solutions to be sustainable in a broader perspective. Providing positive and useful input to sustainability schemes as well as being easy to clean and maintain.

Quality Assurance

All products and systems must comply with all available directives. This helps ensuring many of the above demands.

Cost of Ownership

In the end the impact of the total costs is what the owner has to consider. It must be possible to quantify the costs of the entire life cycle of the floor or wall solution.



SIKA SOLUTIONS TO MEET THE DEMANDS

Sika meet these demands in specific ways depending on if it is a floor or wall solution.

First of all the industrial heritage ensures durable solutions that will be in service for a long time. During the service life the floor or wall will provide safety of the facility by means of seamless solutions that contribute to the indoor air quality in a positive way.

The systems are biologically Resistant – bacterial growth is not supported by the materials used. Emissions are low meeting the AgBB demands and for several of the floor systems also some of the most stringent European demands in the Finnish M1 classification.

With the use of Sikafloor® systems and Sikagard® Wall coatings the aesthetic demands are met. Designers and specifiers can easily use the materials to create pleasing as well as functional areas.

Finally a solution for a healthcare facility should of course be easily cleaned and maintained. This will be one of the most important factors for the cost of ownership.

Sika's solutions are proven in many projects showing that they will withstand the wear and tear in the healthcare environment.

With all this in mind the concepts offered by Sika will provide a long lasting, low total cost and sustainable solution to your facility.



SIKA FLOORING SELECTION GUIDE

Demands on the floors and walls

THE SELECTION OF A FLOORING SOLUTION

is dependent on the loading in the specific environment.

Loading Class

Healthcare facilities can be categorized in various ways. In the selection guide the areas are split based on the clinical treatment done. This means that loading degrees – Low, Medium and High defined by the means of treatment are decisive for the floor selection. Additionally the option of providing an anti slip feature to floor is noted as a possibility as well as the option of having an built-in ESD performance. The ESD requirements differ from country to country.

Disease transfer

The transfer of contagious diseases through various surfaces in a healthcare facility results in the main risk of being ill. Floors and walls have to be considered in this respect. Normally the risks are categorized in three levels; 1 – Low risk; 2 – Moderate risk; and 3 – High risk. Floors do not transfer diseases to a great extent, therefore the risk level is moderate.

Cleaning and disinfection are the main activities to prevent the disease transfer. In many countries the disinfection of floors is done as point disinfection after local contamination.

Coving

The use of a coving is recommended in certain areas. Different types may be used.

Movement joints in the floor

Joints in the floor always require a special treatment. Additionally the joint can create discomfort for the patient when transported over the joint in a hospital bed. The best way to overcome both the risk of deteriorating the floor covering and not jeopardizing patient comfort is to use Sika Floorjoint S or XS to cover the movement joints.

Loading Class (refers to the clinical activities performed in the respective area)	Requirements
No	– Should comply with the specific usage
Low (no real clinical treatment offered in this area)	– Should comply with the specific usage – Should be resistant to disinfectants and detergents
Medium (regular clinical treatment performed in this area)	– Demands from LC No & Low and; – Non-adsorbing material – Preferably seamless (also welded seams accepted) – Floor/wall transition rounded and watertight – No elevated thresholds – Flooring material as coving (min 100 mm)
High (advanced clinical treatment performed in this area, specific demands for hygiene)	

* The risk classes for transfer of contagious diseases via a surface to an individual with affected/low immunity are split into 3. 1 - low risk, 2 - moderate risk, 3 high risk. Floors are never more than class 2.

*Risk for transfer of contagious disease from the floor	Typical area (example of the room)	Seamless floor solution (recommended and possible flooring system)	Option - Anti Slip, ESD	*Coving
	Administration, offices	Sika ComfortFloor® PS-23/PS-24/PS-27/PS-65/PS-66		Not mandatory
1 – Low risk (no real clinical treatment offered in this area)	Waiting room Day room	Sika ComfortFloor® PS-65/PS-66/PS-23/PS-24/PS-27	Anti Slip	Not mandatory
	Corridors & Hallways	Sika ComfortFloor® PS-23/PS-24/PS-27/PS-65/PS-66 Sikafloor® DecoDur ES-22 Granite		Not mandatory
	Public toilets	Sikafloor® DecoDur ES-26/Flake/EM-21/Compact Sika ComfortFloor® PS-24 (Flake)	Anti Slip	Coving type 1
	Staff / locker rooms	Sika ComfortFloor® PS-23/PS-24/PS-27/PS-65/PS-66	Anti Slip	Coving type 1
	Elevators	Sika ComfortFloor® PS-23		Not mandatory
2 – Moderate risk	Ward, Examination & Treatment rooms	Sika ComfortFloor® PS-23/PS-27		Coving type 1
	Laboratories	Sikafloor® DecoDur ES-22 Granite/EM-21 Compact Sika ComfortFloor® PS-23/PS-24	Anti Slip ESD	Coving type 1
	Kitchens	Sikafloor® PurCem EM-20/EB-21/EB-21 Gloss		Coving type 2
	Disinfection rooms	Sikafloor® PurCem ES-25 ECF/ES-21/ES-21 Gloss EM-20/EB-21/EB-21 Gloss		Coving type 1
	Toilets & Hygiene rooms in healthcare areas	Sika ComfortFloor® PS-23/PS-24/PS-27 Sikafloor® DecoDur ES-26 Flake	Anti Slip	Coving type 1
	Operating rooms	Sika ComfortFloor® PS-23/PS-27/PS-27 ESD	ESD	Coving type 2
	Sterile rooms	Sika ComfortFloor® PS-23/PS-27/PS-27 ESD Sikafloor® DecoDur ES-22 Granite	ESD	Coving type 1
	Rooms for specific treatment (dialysis, endocopy, etc)	Sika ComfortFloor® PS-23/PS-27 PS-27 ESD	ESD	Coving type 1
Intensive care & Infectious disease units	Sika ComfortFloor® PS-23/PS-27/PS-27		Coving type 1	

* Covings - The question is if we need different types. Three types are referred to in the Detailing section maybe only two are needed and then there are special ones to connect to tiles, etc..

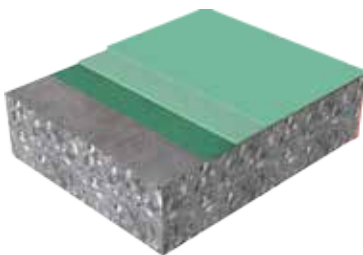
Sika ComfortFloor® SYSTEMS

Description and performance specification



Sika ComfortFloor® UNI-COLOR EFFECT

Sika ComfortFloor® PS-23



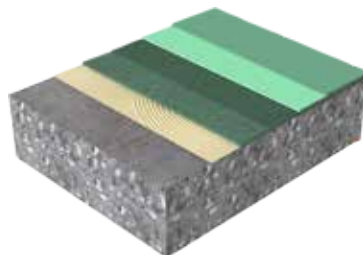
DESCRIPTION

Seamless, smooth, unicolor, low voc, elastic polyurethane floor covering

CHARACTERISTICS / ADVANTAGES

- Decorative & Comfortable
- Soft footfall
- Odourless
- Good resistance to fire
- Low VOC content
- Crack-bridging
- Silky matt finish
- Good mechanical and abrasion resistance
- Easy application
- Easy to keep clean and maintain
- Comfortable

Sika ComfortFloor® PS-65



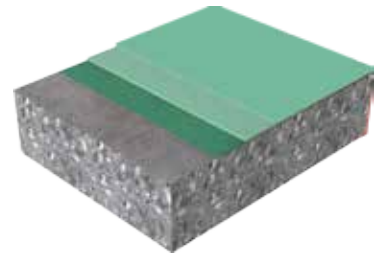
DESCRIPTION

Seamless, smooth, unicolor, low voc, sound insulating elastic polyurethane floor covering

CHARACTERISTICS / ADVANTAGES

- Low VOC emission
- Flexible and resilient
- Good acoustic isolation
- Good mechanical resistance
- Good UV resistance
- Reduces footfall sound
- Easy to clean and maintain

Sika ComfortFloor® PS-27



DESCRIPTION

Sika ComfortFloor® PS-27 is a tough-Seamless, smooth, unicolor, low voc, tough elastic polyurethane floor covering

CHARACTERISTICS / ADVANTAGES

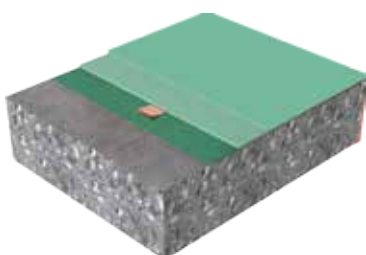
- Odourless
- Good resistance to fire
- Low VOC content
- Flexible and tough-elastic
- Crack-bridging
- Silky matt finish
- Good mechanical and abrasion resistance
- Easy application
- Easy to keep clean and maintain

Note: All system datasheet can be requested from the local Sika organization.



Sika ComfortFloor® FLAKED DESIGN

Sika ComfortFloor® PS-27 ESD



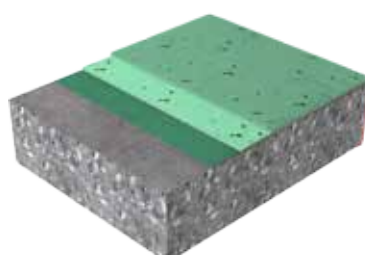
DESCRIPTION

Seamless, smooth, unicolor, low voc, tough elastic ESD polyurethane floor covering

CHARACTERISTICS / ADVANTAGES

- Odourless
- Good resistance to fire
- Low VOC content
- Flexible and tough-elastic
- Crack-bridging
- Silky matt finish
- Good mechanical and abrasion resistance
- Easy application
- Easy to keep clean and maintain

Sika ComfortFloor® PS-24



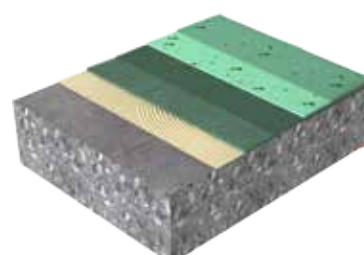
DESCRIPTION

Seamless, smooth, low voc, elastic, polyurethane floor covering with optional color flakes

CHARACTERISTICS / ADVANTAGES

- Highly decorative
- Soft footfall
- Comfortable
- Odourless
- Good resistance to fire
- Low VOC content
- Crack-bridging
- Silky matt finish
- Good mechanical and abrasion resistance
- Easy application
- Easy to keep clean and maintain

Sika ComfortFloor® PS-66



DESCRIPTION




Seamless, smooth, low voc, resilient polyurethane floor covering with optional color flakes

CHARACTERISTICS / ADVANTAGES

- Low VOC emission
- Highly decorative
- Flexible and resilient
- Very good acoustic isolation
- Good mechanical resistance
- Good UV resistance
- Reduces footfall sound
- Attractive Colors available using pigmented UV
- Stable base coat
- Easy to keep clean and maintain

Sika ComfortFloor® SYSTEMS

Performance specification

	Sika Performance		Sika ComfortFloor® PS-23	Sika ComfortFloor® PS-65
Type of use	Residential		x	x
	Non-Residential		x	x
			x	x
	Light industrial			
Color shades			Almost unlimited range of color shades available	
Care & cleaning				
Wearing group	EN 651		P	M
UPEC classification			U4 / P3 / E3 / C2	U4 / P3 / E3 / C2
System thickness			2 – 3 mm	6 – 8 mm
Reaction to fire	EN 13501-1		Bfl s1	Bfl s1
Impact sound reduction	EN ISO 140-8		2 dB	18 dB
Clean indoor air	Based on EN ISO 16000		AgBB, M1, California Department of Public Health section 01350 tested and approved	AgBB, M1, California Department of Public Health section 01350 tested and approved
Slip resistance	DIN 51130		R10	R10
Slip resistance	EN 13893			
Abrasion resistance	EN ISO 5470-1		Good	Good
Chemical resistance	EN 423		Good	Good
Resistance to stubbed cigarettes	EN 1399		Class 4	Class 4
Determination of residual impression after static loading	EN 433		Very Good	Good
Resistance to chair castors	EN 425		No Damage (25000 cycles)	
Determination of effect of simulated movement of furniture leg	EN 424		No Damage	No damage
Impact resistance	ISO 6272-1		Class !	Class 1
Indentation	EN 651		<0.20 mm	<0.20 mm
Shore A hardness	ISO 868		80	80
Tensile strength	DIN 53504		8.0 N/mm ² (14d /+23°C / base coat)	
Tensile adhesion strength	EN 1542		>1.5 N/mm ²	
Tear strength	ISO 34-1			18 N/mm ² (14d /+23°C / base coat)
Elongation at break	DIN 53504		150% (14d /+23°C / base coat)	150% (14d /+23°C / base coat)
Permeability to water vapour	EN ISO 7783-1			
Capillary absorption	EN 1062-3			
Permeability to carbon dioxide	EN 1062-6			
Color stability / UV resistance	EN ISO 105-B02		Very Good (8)	Very Good (8)
Conductivity (Ω) (SR-305 W ESD as topa coat)	EN 1081		N/A	N/A
Body Voltage Generation (V) (SR-305 W ESD as top coat)	EN 1815		N/A	N/A
Bacteriological resistance	ISO 846: bacteria		Very Good	Very Good
Compatible with underfloor heating(*)			yes	yes

Sika ComfortFloor® PS-27	Sika ComfortFloor® PS-27 ESD	Sika ComfortFloor® PS-24	Sika ComfortFloor® PS-66
		x	x
x	x	x	x
x	x	x	x
x	x		
	Special colors	Almost unlimited range of color shades available	
Sika Comfortfloor® Care & Cleaning regime			
		P	M
2 - 4 mm	2 - 4 mm	2 - 4 mm	6 - 8 mm
Bfl s1	Bfl s1	Cfl s1	Cfl s1
		1 dB	18 dB
AgBB tested and approved	AgBB tested and approved	AgBB, California Department of Public Health section 01350 tested and approved	AgBB, California Department of Public Health section 01350 tested and approved
R10	R10	R10	R10
Good	Good	Good	Good
Good	Good	Very Good	Very Good
Class 4		Class 4	Class 4
		Very Good	Good
		No damage	No damage
Class I	Class 1	Class 1	Class 1
		<0.20 mm	<0.20 mm
65 (Shore D)	65 (Shore D)	84	84
			1.0 N/mm ² (14d / +23°C / base coat)
>2.0 N/mm ²		>1.5 N/mm ²	>1.5 N/mm ²
		18 N/mm ² (14d / +23°C / base coat)	
		70% (14d / +23°C / base coat)	70% (14d / +23°C / base coat)
Class III			
0.01 kg/(m ² x h 0.5)			
>50 m			
Very Good (8)	Very Good (8)	Very Good	Very Good
N/A	Typical value: 104 - 106	N/A	N/A
N/A	<100 V	N/A	N/A
Very Good	Very Good	Very Good (6)	Very Good (6)
yes	yes	yes	yes

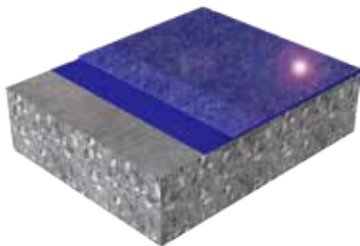
Sikafloor® DecoDur SYSTEMS

Description and performance specification



Sikafloor® DecoDur Systems

Sikafloor® DecoDur ES-22 Granite



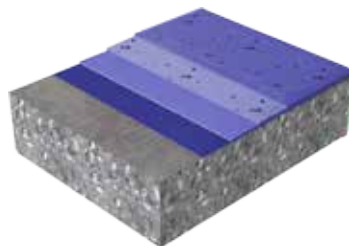
DESCRIPTION

Smooth low VOC colored granite effect epoxy floor covering

CHARACTERISTICS / ADVANTAGES

- Highly decorative
- Low VOC-content
- Good mechanical and abrasion resistance
- Easy application

Sikafloor® DecoDur ES-26 Flake



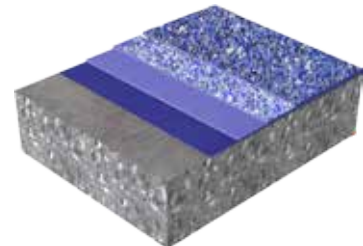
DESCRIPTION

Smooth low VOC colored full flaked epoxy floor covering

CHARACTERISTICS / ADVANTAGES

- Decorative
- Low VOC-content
- Good mechanical and abrasion resistance
- Easy application

Sikafloor® DecoDur EM-21 Compact








DESCRIPTION

Smooth high resistant power floated broadcast color quartz epoxy screed

CHARACTERISTICS / ADVANTAGES

- Very good mechanical and abrasion resistance
- Decorative
- Low VOC-content

Note: All system datasheet can be requested from the local Sika organization.

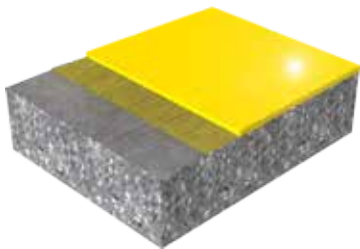
Sika DecoDur System Performance			Sika DecoDur ES-22 Granite	Sika DecoDur ES-26 Flake	Sika DecoDur EM-21 Compact
Type of use	Residential 		x	x	x
	Non-Residential 		x	x	x
			x	x	x
	Light industrial		x		x
	Medium industrial				x
	Color shades		According to the colorcharts		
	Care & cleaning		Sika DecoDur Care & Cleaning regime		
	Wearing group	EN 651			
	UPEC classification				
	System thickness		2 mm	2 – 3 mm	2 – 3 mm
	Reaction to fire	EN 13501-1	Bfl s1	Bfl s1	Bfl s1
	Impact sound reduction	EN ISO 140-8			
	Clean indoor air	Based on EN ISO 16000	AgBB tested and approved		
	Cleanroom suitable material	Particle emission: GMP A Biological resistance: Very good	Particle emission: GMP A Biological resistance: Very good	Particle emission: GMP A Biological resistance: Very good	Particle emission: GMP A Biological resistance: Very good
	Slip resistance	DIN 51130	R9	R9	R9
		EN 13036-4			
	Abrasion resistance	EN ISO 5470-1			
		ISO 4649 (Met. A - SN (mm ³))	Good	Good	Very Good
	Chemical resistance	DIN EN 13529	According to charts		
	Impact resistance	ISO 6272-1	Good		
	Color stability / UV resistance	EN ISO 105-B02	Good (SR-304W)		
	Compressive Strength	EN 196-1	75 N/mm ²		
	Conductivity (Ω)	EN 1081	N/A	N/A	N/A
	Body Voltage Generation (V)	EN 1815	N/A	N/A	N/A
	Bacteriological resistance	ISO 846:bacteria	Very Good		
	Compatible with underfloor heating(*)		yes	yes	yes

Sikafloor® PurCem SYSTEMS

Description and performance specification



Sikafloor® PurCem HM-20



DESCRIPTION

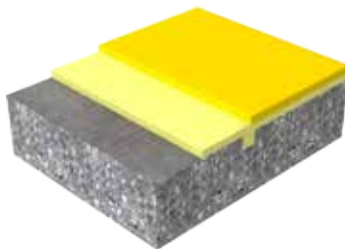
Heavy-duty, lightly textured, high chemical, mechanical and temperature resistant polyurethane cementitious hybrid screed

CHARACTERISTICS / ADVANTAGES

High chemical resistance. Resists a wide range of organic and inorganic acids, alkalis, amines, salts and solvents

- Good resistance to fire
- Steam cleanable at 9 mm thick
- High mechanical and abrasion resistance
- Easy application. Normally, no concrete primer or sealer required
- Fluid consistency requires less labour to install than conventional heavy duty modified PU trowel grade screeds
- Easy to clean and maintain
- Seamless, non-taint, odourless
- Smooth, matt surface
- Tolerant to moisture in the substrate
- Very good life cycle cost performance

Sikafloor® PurCem HS-21



DESCRIPTION

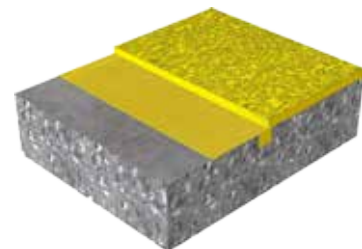
Medium- to heavy-duty, self-leveling, smooth polyurethane cementitious hybrid screed

CHARACTERISTICS / ADVANTAGES

High chemical resistance. Resists a wide range of organic and inorganic acids, alkalis, amines, salts and solvents

- Good resistance to fire
- High mechanical and abrasion resistance
- Easy application
- Easy to clean and maintain
- Seamless, non taint, odourless
- Smooth, matt surface
- Tolerant to moisture in the substrate
- Very good life cycle cost performance

Sikafloor® PurCem HS-21 Gloss



DESCRIPTION

Extremely durable, gloss, scratch resistant, smooth and seamless polyurethane hybrid flooring system

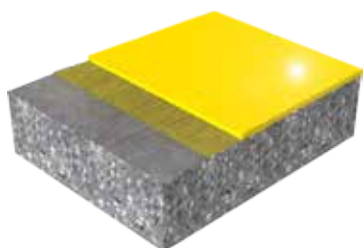
CHARACTERISTICS / ADVANTAGES

- Good chemical resistance
- Dense and scratch resistant surface
- High mechanical resistance
- Low dirt pick up
- Easy to clean and maintain
- Low VOC and environmental friendly
- Non tainting
- Odourless during application
- Can be applied on substrates with high moisture tolerance
- Seamless
- Very good life cycle cost performance

Note: All system datasheet can be requested from the local Sika organization.



Sikafloor® PurCem HB-21



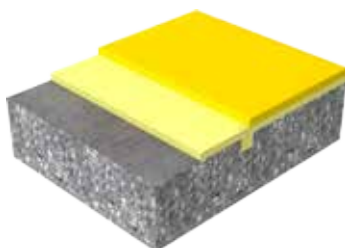
DESCRIPTION

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

CHARACTERISTICS / ADVANTAGES

- High chemical resistance. Resists a wide range of
- Organic and inorganic acids, alkalis, amines, salts and
- Solvents
- Good resistance to fire
- High mechanical and abrasion resistance
- Easy application
- Easy to clean and maintain
- Seamless
- Anti-slip surface
- Tolerant to moisture in the substrate
- Very good life cycle cost performance

Sikafloor® PurCem HB-21 Gloss



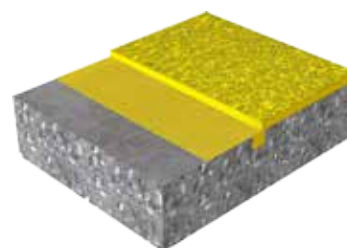
DESCRIPTION

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

CHARACTERISTICS / ADVANTAGES

- High mechanical resistance
- Good chemical resistance
- Glossy and scratch resistant surface
- Low dirt pick up
- Easy to clean and maintain
- Seamless
- Anti-slip surface
- Tolerant to moisture in the substrate
- Very good life cycle cost performance

Sikafloor® HS-25 ECF



DESCRIPTION






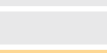


Medium duty, smooth, self-leveling, electric conductive polyurethane cementitious hybrid screed

CHARACTERISTICS / ADVANTAGES

- Conductive
- Heavy duty screed, high wear resistance
- High chemical resistance
- Medium thermal shock resistance
- Hygienic
- Slip resistant
- Color options
- Low VOC, low odor

Sikafloor® PurCem SYSTEMS

Performance specification

	Sikafloor® PurCem Performance		Sikafloor® PurCem HM-20	Sikafloor® PurCem HB-21
Type of use	Residential			
	Non-Residential			x
	Light industrial			x
	Medium industrial			x
Color shades				
Care & cleaning				
System thickness			6 – 9 mm	4 – 6 mm
Reaction to fire		EN 13501-1	Bfl s1	Bfl s1
Impact sound reduction		EN ISO 140-8	N/A	N/A
Clean indoor air		Based on EN ISO 16000	AgBB, M1, California Department of Public Health section 01350 tested and approved	AgBB, California Department of Public Health section 01350 tested and approved
Slip resistance		DIN 51130	R11	R12
		EN 13036-4 SRV Dry SRV Wet	70 65	65 40
		ASTM D1894-61T Rubber Steel	1.25 0.4	0.5 0.3
Abrasion resistance		BS-8204 Part 2	Class Special (severe abrasion resistance)	Class Special (severe abrasion resistance)
		EN 13892-4	AR 0.5	AR 0.5
		EN 13892-3	A6	A6
		STM D4060-01	<3000 mg (H-22/1000/1000)	<3000 mg (H-22/1000/1000)
		DIN 53109 @ 7d/+23C		
Chemical resistance		DIN EN 13529	Very Good, refer to separate chart	Very Good, refer to separate chart
Impact resistance		ISO 6272-1	Class III (>20 Nm)	Class III (>20 Nm)
Impact resistance		ASTM D2784	2 pounds/30 inches (3 mm)	
Shore D hardness		ASTM D2240	80 – 85	
Compressive strength		EN 13892-2	>50 N/mm ²	>50 N/mm ²
		ASTM C579	>45 N/mm ²	
Tensile strength		ASTM C307	>4.3 N/mm ²	
Tensile adhesion strength		EN 1542	>4.0 N/mm ²	>2.5 N/mm ²
Thermal resistance			Steam Cleaning Resistant @ 9 mm	4 mm -20°C to +70°C 6 mm -30°C to +90°C
Permeability to water vapour		ASTM E96	0.148 g/h/m ² (6.1 mm)	0.260 g/h/m ² (1.2 mm)
		EN 1504-2		
Capillary absorption		EN 1062-3	<0.016 kg/(m ² x h 0.5)	<0.016 kg/(m ² x h 0.5)
Water absorption		ASTM C413		
Conductivity (Ω)		EN 1081	N/A	N/A
Body voltage generation (V)		EN 1815	N/A	N/A
Resistance to ground		IEC 61340-4-1		
Bacteriological resistance		ISO 846:bacteria	N/A	N/A
Compatible with underfloor heating *			yes	yes

*According to manufacturer's specification of heating systems

Sikafloor® PurCem HS-21	Sikafloor® PurCem HB-21 Gloss	Sikafloor® PurCem HS-21 Gloss	Sikafloor® PurCem HS-25 ECF
x	x	x	x
x	x	x	x
x	x	x	x
Refer to Product Data Sheet for available colors			
Sikafloor Purcem & Purcem Gloss Cleaning Regimes			
4 - 6 mm	4 - 6 mm	3 - 6 mm	6 mm
Bfl s1	Bfl s1	Bfl s1	Bfl s1
N/A	N/A	N/A	N/A
AgBB, M1 California Department of Public Health section 01350 tested and approved	AgBB, M1, AFFSET, EMICODE California Department of Public Health section 01350 tested and approved	AgBB, M1, AFFSET, EMICODE California Department of Public Health section 01350 tested and approved	AgBB, California Department of Public Health section 01350
R10	R10/v4		R10
70 60	77	65 44	
0.5 0.3			
Class Special (severe abrasion resistance)			
AR 0.5			
A6			
900 mg (H-22/1000/1000)			<900 mg (H 22/1000/1000)
	1747 mg (CS 22/1000/1000)	1209 mg (CS 22/1000/1000)	
Very Good, refer to separte chart	Very Good, refer to separate chart	Very Good, refer to separate chart	Very Good, refer to separate chart
Class IIII (>20 Nm)		Class II (>10 Nm)	Class III (>20 Nm)
	80	80	
>50 N/mm ²	>50 N/mm ²	>50 N/mm ²	>50 N/mm ²
	>15 N/mm ²	>15 N/mm ²	>15 N/mm ²
>2.0 N/mm ²	>2.0 N/mm ²	>2.0 N/mm ²	>1.5 N/mm ²
4 mm -20°C to +70°C 6 mm -40°C to +90°C	4 mm -10°C to +60°C 6 mm -20°C to +70°C	3 mm -10°C to +60°C 6 mm -20°C to +70°C	6 mm -40°C to +90°C
0.260 g/h/m ² (1.2 mm)			
		Class II (24 m)	
<0.002 kg/(m ² x h 0.5)	<0.01 kg/(m ² x h 0.5)	<0.01 kg/(m ² x h 0.5)	<0.01 kg/(m ² x h 0.5)
<0.10%			
N/A	N/A	N/A	Typical value: 10 ⁶ -10 ⁸ Ω
N/A	N/A	N/A	N/A
			10 ⁹ Ω
N/A	N/A	N/A	N/A
yes	yes	yes	yes

REFERENCES

SEAMLESS COMFORTFLOOR FOR HOSPITAL AZ GROENINGE, BELGIUM



Project Description

AZ Groeninge is one of the oldest hospitals in Belgium. It is a large teaching hospital, affiliated with the Flemish KU Leuven Hospital network, in the Belgian city Kortrijk. For its new buildings and renovation of existing buildings, Sika supplied high quality seamless flooring solutions in 2015.

Project Requirements

The interior design of the AZ Groeninge project was to create a completely new and modern atmosphere for the hospital environment. Part of the design is a sleek, uniform look of the flooring surface which provides not only extra footfall comfort, but also the possibility of many color choices. Of course, easy maintenance and possibility of easy renovation were important factors for the floor system specification as well. Apart from the points mentioned above, it was also important to meet hospital design standards with proper certificates and compliance guarantees such as: fire resistance, cleanroom, slip-resistance class, etc. Ideally, it is a system which can eliminate joints in lavatory areas where joints allow dirt and bacteria to harbor, which means a seamless floor was preferred.

Sika Solution

Sika ComfortFloor® met all of these requirements and was applied on 46,000 m² floor surface in the hospital. For different areas, Sika provided different system buildups including: Sika ComfortFloor® PS-23 system for the corridors, rooms and other areas:

- Sikafloor®-156 with Sikafloor®-327 as levelling screed
- Sikafloor®-330
- Sikafloor®-305W as top coats

Sika Shower System in the lavatories: Schönox waterproofing system with Sikafloor®-305 W in three layers for an attractive finish. Sikafloor® Multiflex PS-27 ESD system for specific functional areas with static-sensitive electronic devices or volumes of flammable material: Sikafloor®-156 and Sikafloor®-327 as levelling screed, with Sikafloor®-328 as tough-elastic PU screed layer and Sikafloor®-305 W ESD in two top coats. One of the important considerations of specifying a Sika resin flooring solution was also the product quality and professional service.

THE LEGACY RAINBOW HOUSE IN LANCASHIRE, U.K.

Project Description

Sika donated a colorful flooring system and hygienic wall coatings to the Rainbow House Charity. To support the treatment of children with disabilities at the new charity-funded Rainbow House facility in Lancashire, U.K., Sika has donated 350 square meters of ComfortFloor® Pro flooring system and 932 square meters of hygienic coatings for the walls and ceiling.

Working with children who have complex health needs, multiple disabilities or have had a brain injury, the Legacy Rainbow House facility in Lancashire, U.K. regularly hosts physical therapy sessions. Therefore, the correct specification of facility finishes was vital, especially for the flooring.

Project Requirements

The floor surface had to be slippery enough to assist crawling and rolling, while also having some slip resistance so as not to pose a health risk. It also had to offer comfort to users and with sufficient durability to handle constant use and easily cleaned.

Sika Solution

Consisting of a soft polyurethane resin combined with a rubber crumb matting which gives added cushioning underfoot, Sika® ComfortFloor® Pro proved ideal for the children and staff at Rainbow House. The system's chemical composition and texture absorbs impact and offers the perfect surface for intensive therapy at the facility, while also providing a high degree of comfort for the children. Due to its durable and hygienic qualities, the flooring had significant practical benefits. The liquid applied system was quickly and easily installed in the therapy areas by Crown

Flooring as one seamless piece, meaning no joints which can harbor bacteria. In addition, the floor's constitution means that it resists the growth of bacteria or fungus and is very easy to clean.

Sika® ComfortFloor® also provides an aesthetically pleasing finish and seamless color. Three colors were chosen for Rainbow House in the main areas of the facility to create a warm rainbow effect – Sika Sun Fire, Sika Wild Orchid and Sika Spring Grass. For the cleaners' room, office and kitchen, Umbra Grey was selected with an additional aggregate added to complement the rooms' functionality.

Sika also donated Sikagard® hygienic wall coatings for the whole interior of Rainbow House. The coatings complement the flooring system by offering the same seamless properties, aiding cleaning by providing a surface that is hardwearing and free from joints, seams and other features that provide a hiding place for dirt and bacteria. The coatings are single component, water-based products that are easy to apply by brush, roller or airless spray.

Offering far more than traditional paints, Sikagard® hygienic coatings are designed to provide exceptional durability as well as enhanced resistance to cracking, splitting and flaking. In demanding hygienic environments like Rainbow House, standard paints are no match for this range of specifically developed hygienic coatings.

With the flooring and wall systems in place, Legacy Rainbow House will provide exceptional comfort, minimize maintenance costs and provide a safe environment for the children's therapy sessions. Sika's ComfortFloor® system and Sikagard® hygienic wall coatings have helped to deliver a high performance and visually stunning solution for this challenging and innovative application.



CERTIFICATES

Sika ComfortFloor®						
	Unicolor			ESD	Flaked Design	
	PS-23	PS-63	PS-27	PS-27 ESD	PS-24	PS-64
CE-marking EN 13813	X	X	X	X	X	X
EN 1504-2	X	X	X	X	X	X
Fire Classification EN 13501-1	X	X	X	X	X	X
Cleanroom Suitable Material						
Particle Emissions	X				X	X
Biological Resistance	X				X	X
Impact Sound Reduction EN ISO 140-8	X	X			X	X
Resistance to Stubbed & Burning Cigarettes EN 1399	X					
Wear Resistance EN 651:2004	X				X	
Indentation EN 433:2004	X	X			X	X
Movement of Furniture EN 434:2002	X				X	
Castor Wheel Suitability EN 425	X	X			X	X
Emissions M1	X	X	X	X	X	X
AgBB	X				X	
Varnishability VW-standard PV 3.10.7				X		
ESD Protective Properties (SP)				X		
IEC 61340				X		
DIN VDE 0100-410/T610				X		
Sustainability	X	X	X	X	X	X

Sikafloor® Decodur			
	ES-22 Granite	ES-26 Flake	EM-21 Compact
CE-marking EN 13813	X	X	X
EN 1504-2	X	X	X
Cleanroom Suitable Material			
GMP A	X	X	X
Biological resistance	X	X	X
Fire classification EN 13501-1	X	X	X
Emissions M1	X	X	X
AgBB	X		
Sustainability	X	X	X

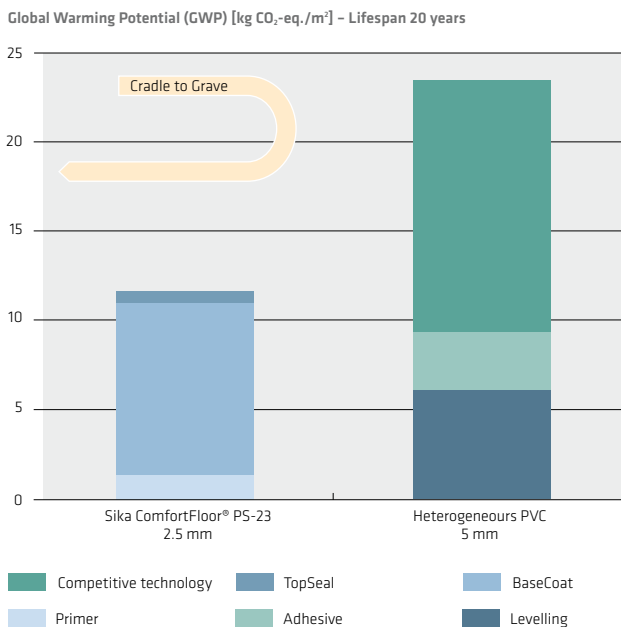
Sikafloor® PurCem					
	HM-20	HS-21	HS-21 Gloss	HB-21 Gloss	HS-25 ECF
CE-marking EN 13813 EN 1504-2	X X	X X	X X	X	
ISEGA for contact with food stuffs EN 1186, EN 13130, prCEM/TS 14234 89/109/EEC, 90/128/EEC, 2002/72/EC	X X	X X	X X	X X	
Suitable for use in food and beverage facilities HACCP USDA compliant	X X	X X			
Canadian Food Inspection Agency Acceptance	X	X			
British Standards Specifications Acceptance	X	X			
Fire classification EN 13501-1 Liquid water transmission rate	X X	X X	X	X	X
Abrasion resistance BS 8204-2:2003 Impact resistance	X X	X X			
Slip resistance DIN 51130	X	X			
Emissions M1 AgBB	X X	X X	X	X	X
Cleanroom Suitable Materials Riboflavin test Biological Resistance Taint Potential			X X X	X	
Sustainability	X	X	X	X	X

Note: The cleaning regimes may be requested from the local Sika organization

IMPROVING PUBLIC BUILDINGS CARBON FOOTPRINT

Sika ComfortFloor® Systems AS SUSTAINABLE ALTERNATIVES

Sika ComfortFloor® systems provide a wide range of solutions that can meet all of your technical requirements. Furthermore Sika ComfortFloor® systems are also a good investment in the long run, due to their ease of maintenance without the need to completely reinstall a new flooring system. The LCA shows that Sika ComfortFloor® systems have a low Carbon Footprint because they do not require any cementitious underlayments nor additional adhesives, they are fully monolithic with the concrete or screed of the building structure.



ECO EFFICIENCY TOOL BY SIKA

The Eco Efficiency Tool is a tool intended for project specific calculation of environmental profile and cost profile of Sika® ComfortFloor vs. generic competitive flooring solutions for a defined service life.

The calculations are based on the Life Cycle Assessment in a cradle-to-grave perspective and additionally a cost perspective including all activities, be it investment, installation, cleaning & maintenance, renovation, disposal and expected service life and do require proper project specific input by means of costs related to the above mentioned activities.

The main environmental impact criteria identified and considered within the Life Cycle Assessment are

Global Warming Potential: GWP (kg CO₂-eq/m²) = Carbon Footprint

Potential contribution to climate change due to greenhouse gas emissions and indicator for CO₂.

Cumulative Energy Demand: CED [MJ/m²] = Energy Footprint

Total amount of primary energy from renewable and non-renewable resources and indicator for energy.

Photochemical Ozone Creation Potential: POCP (kg C₂H₄-eq/m²)

Formation of reactive chemical compounds, e.g., ozone, from direct sunlight on certain primary air pollutants (VOC, NO_x) which may be harmful to human health, ecosystems and crops. Indicator for summer smog (VOC).

The output from the tool is project specific and could be in the form of a report or a presentation or both. Consult your local Sika Company for further information.

SUSTAINABLE SOLUTIONS

INSTALL Sikafloor® SYSTEMS THAT MEET YOUR AESTHETIC AND TECHNICAL REQUIREMENTS

More Value

- Sika ComfortFloor® provides high quality of life with an excellent acoustic performance and freedom of design.
- Sika ComfortFloor® is robust and fully bonded to the concrete creating a monolithic floor.
- Sika ComfortFloor® is biologically resistant and withstands the impacts of cleaning and use of detergents and disinfectants.
- Sika ComfortFloor® contributes to points in various green building programs.

Less Impact

- Sika ComfortFloor® has a lower carbon footprint since it does not need any cementitious underlayment.
- Sika ComfortFloor® does not need any adhesive.
- Sika ComfortFloor® is easy to clean as it is seamless.

CHEMICAL RESISTANCE

For materials used in healthcare facilities it is important that they withstand chemicals. These areas are cleaned and also disinfected often, This is specifically so for areas where clinical treatment is conducted.

In the table each flooring system is noted to be resistant or not for the specific chemicals listed. In some cases it is a generic chemical and in other a specific. For a more detailed list of chemicals please contact your local Sika organization. The resistances to chemicals for cleaning and disinfection have been obtained by cooperation with Sealed Air's Diversey Care division.

It should be noted that the information in the table is based on that the chemical when applied on the floor is taken away within one hour. In most cases the disinfectant is removed very soon after being applied. The details are shown in the specific chemical resistance documents provided by Sika. In some case, however, longer exposure may have adverse effects on the appearance and finally the performance of the flooring material.

The tested disinfectant product types are:

- Peroxide containing products:
- Quat (quaternary ammonium salt) based formulas.
- Hypo chlorine

All of these types of products are used in healthcare facilities, however, there are variations in tradition from country to country.

The below table shows the disinfectant types listed with used concentrations and observed performance.

Type	Concentration	Observation	Note
Hydrogen peroxide	Concentrated and 4 - 5%	Ok	Examples Oxivir Plus and Excel
Hydrogen peroxide wipes	Ready to use	Ok, when immediately removed using wipes	Example Oxivir Sporicide
Quat	Concentrated and 2%	Ok	Example Taski Sprint Degerm
Quat	Concentrated and 2%	Ok	Example Taski Degragerm
Hypo chlorine	Concentrated and 5%	Ok	Example Taski Sprint H-100

Additional chemical resistance

All Sikafloor® systems are chemically resistant to regular chemicals used in healthcare facilities. There may be occasions with staining when it comes to certain solutions used in pre-operative procedures.

DETAILINGS

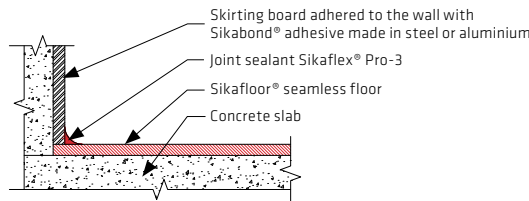
DEALING WITH DETAILS to ensure a perfect flooring and wall coating solution needs a lot of practical experiences and thorough understanding of the building materials. The details are normally the weakest part of the floor and allow dirt and bacteria to harbor. These joints are most apparent between different components, between floors and walls and around columns and entrances. Because such joints are sensitive to local water issues. Sika provides personal advices to spificiers to solve these problems with CAD drawings and detailed specification documents. Please contact your local Sika technical service team to get further information.

Coving

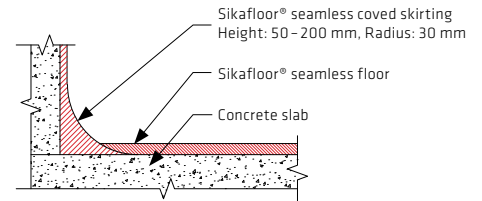
To be able to prevent the water ingress below the flooring and to facilitate an efficient cleaning of the floor/wall transition, a coving could be installed. There are basically two types of covings used.

Type 1 – In areas where there is no use of water less complex coving construction may be specified. In this case a skirting board is adhered to the wall before or after the flooring system installation. If this solution is used the total floor/cove-system is not seamless.

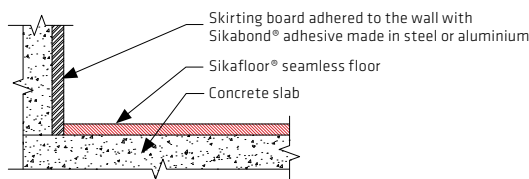
Type 2 – A proper coving that is seamless and prepared on site by the use of a mortar. The coving material can be applied before or after the installation of the seamless floor system.



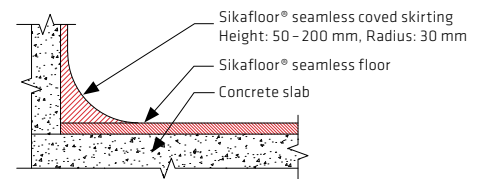
Skirting board applied after application of the Flooring



Coved skirting applied before floor covering



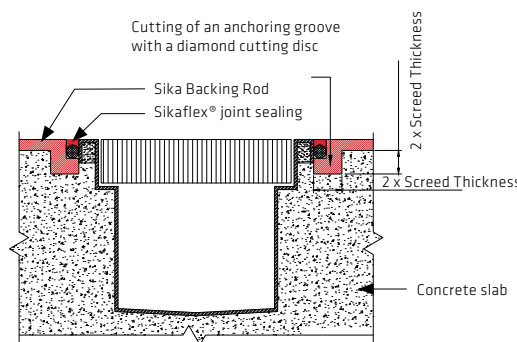
Skirting board applied before application of the Flooring



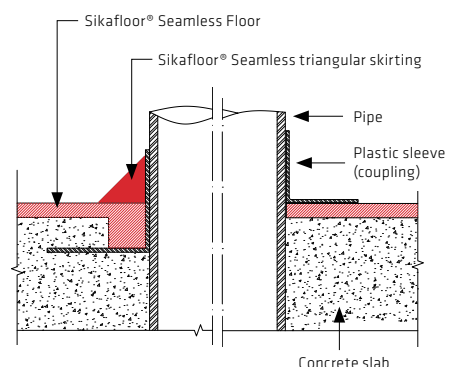
Coved skirting applied after the application of the flooring

Drain and Pipes

Similar to the covings the transition from a floor system to a pipes or a drain has to be sealed to prevent water or other liquids to penetrate into the floor substrate.



Connections to drains

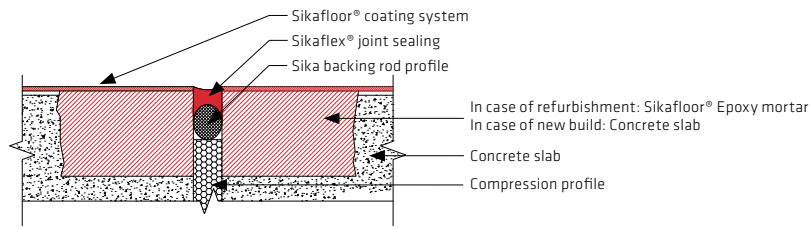


Connections to pipes

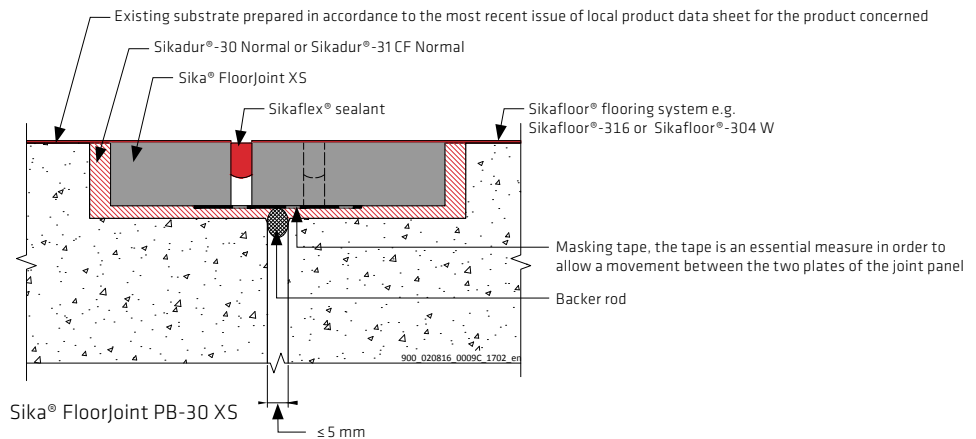


Joints and Cracks

To be able to have smooth transport of beds and other rolling devices over joints it is recommended to install Sika FloorJoint or a joint sealant system to create a tight, durable and smooth joint that resists movement – both from above and within the structure.

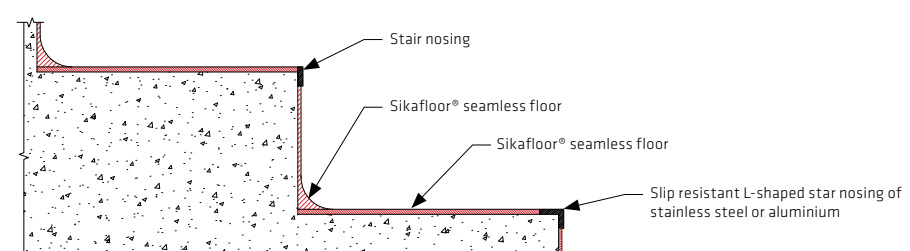


New build or refurbishment of a driveable movement joint



Stairs, edges and floor ends

A seamless floor may also be applied in stair cases, to edges in landings or to be ended down to zero. In the case of stairs and landings it is recommended to use trims or profiles.



Stair covering

Note: Detailed drawings as hard copies or in electronic format can be requested from the local Sika organization. For further information please contact Regional Business Development Managers Target Market Flooring; Till Weikert, Phone +49 711 8009 6821 and Jens Engstrand, Phone +46 862 18 900.

FLOOR CARE IN HEALTHCARE



PROPER CLEANING AND EVENTUAL MAINTENANCE are needed to ensure that your Sika flooring system stays in the best shape and gives you years of satisfaction.

HEALTHCARE MARKET DYNAMICS

Healthcare is a large market, and the trends support further growth. This growth will be driven partly by developing markets, where governments are working to expand access to healthcare for their growing populations. Population aging will remain another long-term growth driver, most noticeably in Western Europe, North America and Japan. Greater public scrutiny of Healthcare Associated Infections (HCAI) in hospitals is another important trend in healthcare. HCAI, emerging pathogens and multi-drug-resistant organisms are the top concerns of infection prevention professionals.

HAND HYGIENE AND FLOORS

Infection prevention starts with hand hygiene. Many illnesses and diseases are most readily spread by personal contact or by touching contaminated surfaces. Private companies such as Diversey Care are actively partnering with the World Health Organization (WHO) to celebrate World Hand Hygiene Day and promote better hand hygiene through WHO's annual global

campaign "SAVE LIVES: Clean Your Hands". This campaign contributes significantly to the improvement of hand hygiene in healthcare.

As a result of "SAVE LIVES: Clean Your Hands", the use of alcohol hand rubs has increased steadily over the years. Consider that a healthcare worker performs hand hygiene as much as 6,000 times per year. The increased use of alcohol dispensers is a very positive development for the prevention of infections, but it has implications for the floor and can be very challenging for the Facility Manager. In many hospitals, the drips and spills that typically go along with using the dispensers cause damage such as white spots to the floor below. Thus, alcohol-resistant floors and proper cleaning and maintenance procedures are a major need.

SURFACE DISINFECTION AND FLOORS

Cleaning and disinfection are performed in virtually all areas of a healthcare facility. Recent scientific medical studies show the importance of maintaining a thoroughly clean and



ABOUT DIVERSEY CARE:

The well-being of people everywhere depends on a sustainable world. Sealed Air's Diversey Care Division offers solutions for infection prevention, kitchen hygiene, fabric care, building care and consulting. Our solutions protect brands, deliver efficiency and improve performance for our partners in healthcare, food service, retail, hospitality and facility services. Our leading expertise integrates product systems, equipment, tools and services into innovative solutions that reduce water and energy usage and increase productivity. By delivering superior results, we help create profitable, sustainable enterprises for a cleaner, healthier future.



disinfected care environment to ensure the safest possible experience across patient rooms, isolation areas and operating theaters. To achieve superior cleaning and disinfection, it is important to understand the threat of environmental transmission of pathogens as well as the products, procedures, trainings and validation programs that provide the best cleaning and disinfection results.

Some areas in a hospital are deemed to be high-risk settings for the spread of pathogens while others are considered lower-risk. Critical control points in high-risk areas such as operating rooms, intensive care and isolation rooms should receive special attention. Visually inspecting floors for stains isn't enough. Swabbing floors and testing for the presence of polypeptides, which would indicate the presence of micro-organisms, should also be performed.

It is important to note that opinions about the need to disinfect floors and the practices for disinfecting them differ globally. Many government organizations and regulations state that the infection risk associated with floors is low and thus recommend cleaning, with no disinfection. There are, however, countries and regions where daily disinfection of floors is common practice. Some surface disinfectants are based on traditional chemicals such as chlorine or quat. Others are based on a new generation of more sustainable technologies such as the Oxivir® disinfectants powered by AHP® technology which utilizes accelerated hydrogen peroxide. It is important to understand the use of disinfectants when selecting a floor for a healthcare facility.

CLEANING AND MAINTENANCE OF FLOORS

What a floor looks like is one of the most significant aspects in the overall appearance of a building's interior, especially in the healthcare market. The difficulty is in how to achieve the desired results in terms of appearance, protection and safety when you're dealing with diminishing budgets, shortages of staff and lack of time. Certain maintenance methods such as stripping and refinishing can be problematic, as it is not easy for the cleaning team to strip and recoat traditional floors

such as linoleum, PVC or LVT which also require additional protection. This level of maintenance requires qualified personnel, time and closing off the areas where this work is being performed – something that is very difficult to do in hospitals that function around the clock.

However, the flooring market is changing, and many newly built floors for the healthcare sector do not require any additional layer or treatment. These floors are designed as ready-to-use solutions that require no initial maintenance or polymer applications. These solutions are a real plus in healthcare environments where customers need a simple way to clean the floor, maintain its appearance and preserve their long-term investment. Diversey Care recommends the use of a non-film, build-up chemical formula in conjunction with proper cleaning pads for cleaning these types of surfaces. Diversey Care also offers a floor polish that is 100 percent dedicated to the healthcare market. This polish is designed specifically to resist hand sanitizers and prevent damage or discoloration to the floor.

Proper cleaning procedures offer a considerable reduction in facility operating costs by lowering the need for interim floor maintenance and the time required to strip and install floor finishes, while maintaining a long-lasting aesthetic appearance. All Sika flooring systems are tested in the lab with different cleaning products to ensure customers receive appropriate cleaning instructions. This eliminates the guesswork and hassle of trying to figure out proper floor maintenance on your own and helps you achieve superior, consistent, cleaning performance and enhanced cleanliness of non-treated floors. Having the flooring manufacturer and cleaning solutions supplier jointly provide cleaning instructions is an ideal approach to achieving facility requirements for efficiencies, cost savings, high-quality appearance and longer preservation of the floors.

Sika partners with cleaning chemicals suppliers such as Diversey Care to provide Sika's flooring customers high-level, after-sales service, with a specific focus on cleaning and maintenance. We also provide support for life-cycle cost analyses and maintenance budgets for floors in a wide range of projects.

Note: The cleaning regimes may be requested from the local Sika organization.

FLOOR REPAIR

A BIG CONCERN in the use of floor in healthcare facilities is to renovate it after a certain time period when the floor has naturally reached its end of life. By using Sikafloor® systems for the floor, this becomes relatively easy.

The service life of the flooring system is described by maintenance scenarios depending on the flooring system used. Following installation, the floor is maintained by cleaning at the wanted frequency.

- After 10 years there is normally a need for recoating. This means that the floor requires a slight grinding followed by the application of a new seal coat layer upon which the cleaning continues according to the defined frequency. This will instantly upgrade the aesthetics of the floor. It will look new and the performance is as good as it was originally.
- 20 years after installation the floor requires a facelift. The facelift comprises grinding of the existing floor, application of a new layer of basecoat, 0.5-1 mm, and finally a new seal

coat layer. After this the cleaning continues as defined. The facelifted floor is basically a completely new floor. It will not be required to remove the existing floor before this operation. Possible damages in the floor will be repaired during this process. As for the recoating the floor will look brand new and it will perform as well as a newly installed floor.

Both of these maintenance operations will result in a lower environmental impact for the flooring solution. It will also make it possible to relatively easy overcome staining problems that could have occurred in operating rooms and other areas where staining chemicals are used, spilt and left on the floor regardless of if the floor is worn or not.



OPTIONAL SOLUTIONS



Sikafloor® LEVEL PRODUCTS FOR LEVELING

A perfectly even and smooth floor substrate surface plays an important role in the final result and life span of the floor, no matter what kind of floor covering will be installed over it. Sika supplies self-leveling compounds whose outstanding performance has been proven in construction projects with high requirements, ranging from house use to fork lift truck loads in industry. They may be used as underlayers for resilient flooring like PVC, PVC-free, rubber or linoleum sheet flooring. They may also be used in combination with the resin floors such as Sika Comfortfloor®, Sikafloor® DecoDur and Sikafloor® PurCem.



SikaCeram® TILE ADHESIVE SYSTEMS

If you specify tile systems for your floors and walls, Sika supplies you not only high quality tile adhesives and grouts, but also a full build-up and installation system tailored to your project needs, which includes considerations such as correct surface preparation, waterproofing layer, detailing at connections, indoor and outdoor conditions, options of tile types and sizes, etc.. Sika offers special systems for new and refurbishment works, with quality solutions that will ensure long lasting finishes.



WALL COATING

Sikagard®, technologically advanced wall and ceiling coating systems, can wrap the wall and ceiling into the floor by rounding inside corners, any bacteria breeding sites such as cracks and crevices are completely eliminated. The polymer technology offers versatile reinforcement options for a variety of substrates, all providing superior durability and dimensional stability. With low VOC, low odor, and superior impact, abrasion and chemical resistance, there is nothing falling through the cracks on this system. Specially formulated Sikagard® Hygienic products do not promote the growth of micro-life, fungi and algae.



FLOOR JOINTS EASILY SOLVED IN FUNCTIONAL AREAS

Sika offers the perfect solution with ultra-thin and almost invisible joint profiles for the floor joints in functional areas of buildings, such as carparks, industrial areas and warehouse. The profiles are installed on the same surface level as the floor, which means no more thresholds. One benefit of this new system is reduced damage to vehicles, meaning the cost of spare parts for trucks decreases significantly too. A real added value in every respect. Another benefit is no noise and no vibration when trafficked. It is absolutely corrosion-free, waterproof and easy to install and repair.



SikaBond® SOFT FLOOR COVERING ADHESIVES

Sika supplies good quality adhesives for installing carpets, PVC coverings, luxury vinyl tiles, Lino and many more "soft" floor coverings on the sub-floors. They are solvent free and easy to apply.



SikaBond® WOOD FLOOR ADHESIVE SYSTEMS

Sika revolutionized wood floor bonding 20 years ago by introducing elastic adhesives, with which the stress between the "living" wood and the "dead" sub-floor is minimized to prevent damage to both. Sika has long-year experience, knowhow, best products and innovative application tools for wood floor bonding. Besides, we can offer a complete product assortment for wood floor installation, from "level to varnish".

ALSO AVAILABLE FROM SIKA



FOR MORE HEALTHCARE INFORMATION:



WE ARE SIKA

Sika is a specialty chemicals company with a leading position in the development and production of systems and products for bonding, sealing, damping, reinforcing and protecting in the building sector and the motor vehicle industry. Sika's product lines feature concrete admixtures, mortars, sealants and adhesives, structural strengthening systems, flooring as well as roofing and waterproofing systems.

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



SIKA SERVICES AG
Tueffenwies 16
CH-8048 Zurich
Switzerland

Contact
Phone +41 58 436 40 40
www.sika.ch

BUILDING TRUST

