BUILDING TRUST

SYSTEM DATA SHEET

Sika® Ucrete® CS10 4 mm

Heavy-duty, colour-stable, lightly-textured, 4 mm polyurethane floor system

DESCRIPTION

Sika® Ucrete® CS10 4 mm is a colour-stable, heavy-duty, lightly textured, polyurethane flooring system. It provides very good resistance to aggressive chemicals, heavy impact and high temperatures.

USES

Sika® Ucrete® CS10 4 mm may only be used by experienced professionals.

Sika® Ucrete® CS10 4 mm is used within wet and dry process areas including the following application areas:

- Food and beverage facilities
- Pharmaceutical facilities
- Chemical and processing facilities

FEATURES

- Expert installation by fully trained and licensed applicators
- Resistant to bacterial or mould growth
- Suitable for application on to 7-day-old concrete and 3-day-old polymer screed
- Very good resistance to staining from a specific range of chemicals and food industry products
- Very good resistance to UV exposure
- Good yellowing resistance provides long-term colour stability
- Fast curing
- Non-tainting after curing
- Good temperature resistance

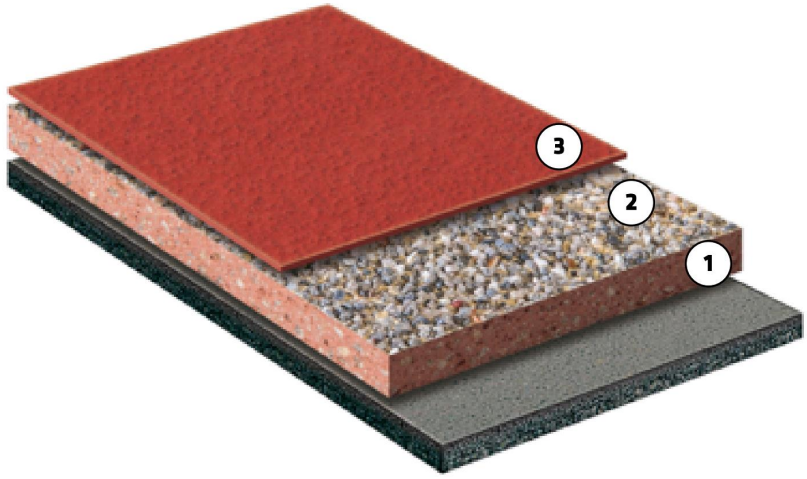
CERTIFICATES AND TEST REPORTS

- Halal Certification Europe (HCE), Sika® Ucrete®, WHFC, Certificate No. 21453-2/1/1/Y1
- Food and Beverage Facilities Suitability, Sika® Ucrete®, HACCP, Test Report No. I-PE-769-SA-2-RG-06b
- Indoor Air Comfort Gold EN 16516, Sika® Ucrete®, eurofins, Certificate No. IACG-321-01-01-2023

SYSTEM INFORMATION

System structure

Sika® Ucrete® CS10 4 mm



	Layer	Product
0.	Primer	Sika® Ucrete® PFS
1.	Base layer	Sika® Ucrete® BC 4
2.	Broadcast	Sika® Ucrete® F 5
3.	Top coat	Sika® Ucrete® TCCS

Composition	Water-based polyurethane cement hybrid
Colour	Red, Orange, Yellow, Bright Yellow, Cream, Grey, Light Grey, Green, Light Green, Green/ Brown, Blue, Light Blue.
Nominal thickness	4 mm

TECHNICAL INFORMATION

Compressive strength	Cured 28 days at +23 °C	48–54 N/mm²	(EN 13892-2)
Modulus of elasticity in compression	3250–5000 MPa		(BS 6319-6)
Flexural-strength	Cured 28 days at +23 °C	12–14 N/mm²	(EN 13892-2)
Tensile strength	Cured for 28 days at +20 °C	5–7 MPa	(BS 6319-7)
Tensile adhesion strength	> 2.0 N/mm² (concrete failure)		(EN 1542)
Coefficient of thermal expansion	4×10^{-5} °C^{-1}		(ASTM C531)
Reaction to fire	Class B_{fl}-s1		(EN 13501-1)
Skid / slip resistance	PTV, 4S rubber	45–50 wet conditions	(EN 13036-4)
	Class	R 11	(DIN 51130)

APPLICATION INFORMATION

Consumption

Layer	Product	Consumption
Primer	Sika® Ucrete® PFS	1–1.6 kg/m²
Base layer	Sika® Ucrete® BC 4	6–8 kg/m²
Broadcast	Sika® Ucrete® F 5	4.5–5 kg/m²
Top coat	Sika® Ucrete® TCCS	0.4–0.6 kg/m²

Note: Consumption data is theoretical and does not allow for any additional material due to surface porosity, surface profile, variations in level, wastage or any other variations. Apply the Product to a test area to calculate the exact consumption for the specific substrate conditions and proposed application equipment.

Ambient air temperature

Maximum	+30 °C
Minimum	+12 °C

Dew point

Refer to the individual Product Data Sheet.

Substrate temperature

Maximum	+30 °C
Minimum	+12 °C

Substrate moisture content

Refer to the individual Product Data Sheet.
Note: Epoxy primers are not suitable for application onto a high substrate moisture content.

Applied product ready for use

The floor can be returned to service after 2 hours.
Note: Times are approximate and will be affected by changing ambient and substrate conditions.

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

FURTHER DOCUMENTATION

- Sika® Ucrete® Application Manual
- Substrate Quality & Preparation: Please refer to Sika Method Statement: “EVALUATION AND PREPARATION OF SURFACES FOR FLOORING SYSTEMS”

SPECIFICATION INFORMATION

Select from the following specification clauses as required:

- A Sika® Ucrete® CS10 4 mm flooring system is fully resistant to high temperature spillage and discharge up to +70 °C. Suitable for freezer temperatures down to -15 °C.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

LEGAL NOTES

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 accordance with Sika's recommendations. 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 user of the product must test the product’s suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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All products are supplied under a management system certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and ISO 45001.