

## SYSTEM DATA SHEET

# Sika® Ucrete® CS20 AS

Heavy-duty, colour-stable, textured, antistatic, polyurethane floor system

### PRODUCT DESCRIPTION

Sika® Ucrete® CS20 AS is a colour-stable, heavy-duty, textured, antistatic, polyurethane flooring system. It provides very good resistance to aggressive chemicals, heavy impact and high temperatures.

### USES

Sika® Ucrete® CS20 AS may only be used by experienced professionals.

Sika® Ucrete® CS20 AS is used within wet and dry process areas including the following application areas:

- Food and beverage facilities
- Pharmaceutical facilities
- Chemical and processing facilities
- Defence estates
- Electronic facilities and data centres

### CHARACTERISTICS / ADVANTAGES

- Expert installation by fully trained and licensed applicators
- Suitable for application on to 7-day-old concrete and 3-day-old polymer screed
- Resistant to bacterial or mould growth
- Electrostatically conductive
- 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

### APPROVALS / STANDARDS

- 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

## PRODUCT INFORMATION

Packaging

Shelf Life

Storage Conditions

## TECHNICAL INFORMATION

Compressive Strength	Cured 28 days at +23 °C	54 N/mm <sup>2</sup>	(EN 13892-2)
Modulus of Elasticity in Compression	5000 MPa		(BS 6319-6)
Flexural Strength	Cured 28 days at +23 °C	14 N/mm <sup>2</sup>	(EN 13892-2)
Tensile Strength	Cured for 28 days at +20 °C	7 MPa	(BS 6319-7)
Tensile adhesion strength	> 2.0 N/mm <sup>2</sup> (concrete failure)		(EN 1542)
Coefficient of Thermal Expansion	4 × 10 <sup>-5</sup> °C <sup>-1</sup>		(ASTM C531)
Reaction to Fire	Class B <sub>fl</sub> -s1		(EN 13501-1)
Skid / Slip Resistance	PTV, 4S rubber	45–55 wet conditions	(EN 13036-4)
	Class	R 13	(DIN 51130)

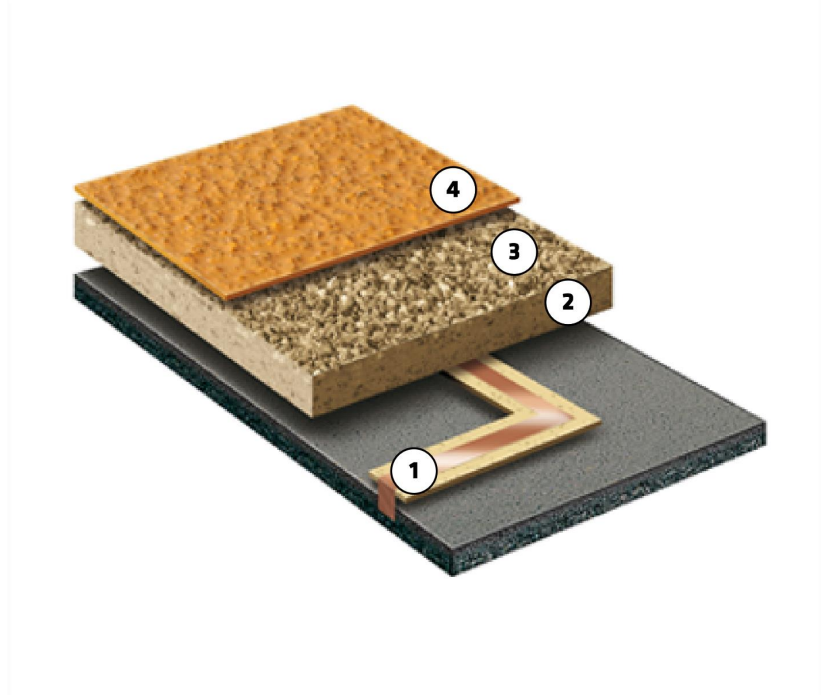
**Electrostatic Behaviour**

Resistance to ground	$R_G < 1 \times 10^6 \Omega$	(EN 1081)
Resistance to ground	$R_G < 1 \times 10^6 \Omega$	(IEC 61340-4-1)
Body voltage generation	$< 100 \text{ V}$	(IEC 61340-4-5)
Resistance of person to earth	$< 35 \text{ M}\Omega$	(IEC 61340-4-5)

Note: Measurement results can be affected by ESD clothing, ambient conditions, measurement equipment, cleanliness of the floor and the test personnel.

**SYSTEM INFORMATION****System Structure**

Sika® Ucrete® CS20 AS



Layer	Product
1. Earthing connection	Copper tape
2. Base layer	Sika® Ucrete® BC 6 AS
3. Broadcast	Sika® Ucrete® F 20 AS
4. 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.

**APPLICATION INFORMATION****Consumption**

Layer	Product	Consumption
Earthing connection	Copper tape	Maximum distance 10 m between strips
Base layer	Sika® Ucrete® BC 6 AS	10–12 kg/m <sup>2</sup>
Broadcast	Sika® Ucrete® F 20 AS	5 kg/m <sup>2</sup>
Top coat	Sika® Ucrete® TCCS	0.7–1.2 kg/m <sup>2</sup>

Note: Consumption data is theoretical and does not allow for any addition-

al 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.

<b>Ambient Air Temperature</b>	Maximum	+30 °C
	Minimum	+12 °C
<b>Dew Point</b>	Refer to the individual Product Data Sheet.	
<b>Substrate Temperature</b>	Maximum	+30 °C
	Minimum	+12 °C
<b>Substrate Moisture Content</b>	Refer to the individual Product Data Sheet. Note: Epoxy primers are not suitable for application onto a high substrate moisture content.	
<b>Applied Product Ready for Use</b>	The floor can be returned to service after 2 hours. Note: Times are approximate and will be affected by changing ambient and substrate conditions.	

## VALUE BASE

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

## 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

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

## 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.

### SIKA LIMITED

Watchmead  
Welwyn Garden City  
Hertfordshire, AL7 1BQ  
Tel: 01707 394444  
Web: [www.sika.co.uk](http://www.sika.co.uk)  
Twitter: @SikaLimited



System Data Sheet  
Sika® Ucrete® CS20 AS  
November 2024, Version 02.01  
02081490000000038

SikaUcreteCS20AS-en-GB-(11-2024)-2-1.pdf