

SYSTEM DATA SHEET

Sika® Ucrete® DP20 AS

Heavy-duty, antistatic, polyurethane floor system with a well defined profile

DESCRIPTION

Sika® Ucrete® DP20 AS is a heavy-duty, antistatic, polyurethane flooring system with a well defined profile for slip resistance. It provides very good resistance to aggressive chemicals, heavy impact and high temperatures.

USES

Sika® Ucrete® DP20 AS may only be used by experienced professionals.

Sika® Ucrete® DP20 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 mechanical resistance
- Impermeable to liquids
- Very good temperature resistance
- Very good resistance to staining from a specific range of chemicals and food industry products
- Non-tainting from the end of mixing

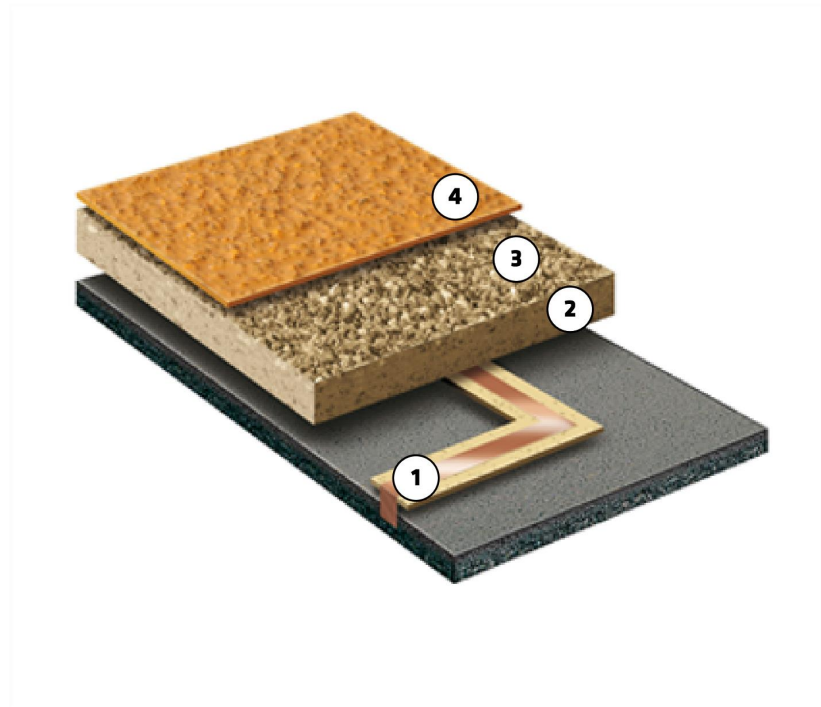
APPROVALS / STANDARDS

- 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

SYSTEM INFORMATION

System structure

Sika® Ucrete® DP20 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® TC

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

TECHNICAL INFORMATION

Compressive strength	Cured 28 days at +23 °C	54 N/mm ²	(EN 13892-2)
Modulus of elasticity in compression	5000 MPa		(BS 6319-6)
Flexural strength	Cured 28 days at +23 °C	14 N/mm ²	(EN 13892-2)
Tensile strength	Cured for 28 days at +20 °C	7 MPa	(BS 6319-7)
Tensile adhesion strength	> 2.0 N/mm ² (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	45–55 wet conditions	(EN 13036-4)
	Class	R 12	(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.

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 ²
	Broadcast	Sika® Ucrete® F 20 AS	5 kg/m ²
	Top coat	Sika® Ucrete® TC	0.7–1.2 kg/m ²

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.
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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.
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Applied product ready for use	The floor can be returned to service after 24 hours. Note: Times are approximate and will be affected by changing ambient and substrate conditions.
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BASIS OF PRODUCT DATA

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

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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SikaUcreteDP20AS-en-IN-(02-2025)-2-1.pdf

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Sika® Ucrete® DP20 AS
February 2025, Version 02.01
02081490000000035