BUILDING TRUST

SYSTEM DATA SHEET

Sika® Ucrete® HPQ AS

Heavy-duty, flow-applied, antistatic, coloured-quartz polyurethane floor system

PRODUCT DESCRIPTION

Sika® Ucrete® HPQ AS is a heavy-duty, antistatic, flow-applied resin floor with an aesthetic coloured-quartz screed finish. It provides good resistance to aggressive chemicals, heavy impact and high temperatures.

USES

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

Sika® Ucrete® HPQ 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

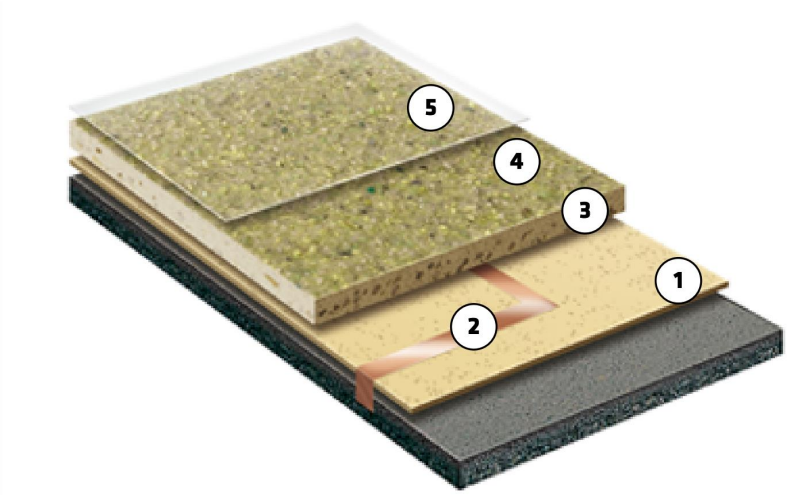
- Expert installation by fully trained and licensed applicators
- Suitable for application on to 7-day-old concrete and 3-day-old polymer screed
- Electrostatically conductive
- Very good mechanical resistance
- Impermeable to liquids
- Non-tainting after curing
- Good temperature resistance
- Very good resistance to staining from a specific range of chemicals and food industry products

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



	Layer	Product
1.	Primer	Sika® Ucrete® PSC
2.	Earthing connection	Copper tape
3.	Base layer	Sika® Ucrete® BC 6 AS
4.	Broadcast	Sika® Ucrete® F11 AS
5.	Top coat	Sika® Ucrete® TCPU Clear

Composition	Water-based polyurethane cement hybrid
Nominal thickness	4.0-6.0 mm

TECHNICAL INFORMATION

Compressive Strength	Cured 28 days at +23 °C	54 N/mm²	(EN 13892-2)
Modulus of Elasticity in Compression	5000 MPa		(BS 6319-6)
Flexural Strength	Cured 28 days at +23 °C	14 N/mm²	(EN 13892-2)
Tensile Strength	Cured for 28 days at +20 °C	7 MPa	(BS 6319-7)
Tensile adhesion strength	> 2.0 N/mm² (concrete failure)		(EN 1542)
Coefficient of Thermal Expansion	2-6 × 10^{-5} °C^{-1}		(ASTM C531)
Reaction to Fire	Class B_{fl}-s1		(EN 13501-1)
Skid / Slip Resistance	PTV, 4S rubber	36–45 wet conditions	(EN 13036-4)

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 V	(IEC 61340-4-5)
Resistance of person to earth	< 35 MΩ	(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
Primer	Sika® Ucrete® PSC	0.2–0.4 kg/m²
Earthing connection	Copper tape	Maximum distance 10 m between strips
Base layer	Sika® Ucrete® BC 6 AS	10–12 kg/m²
Broadcast	Sika® Ucrete® F11 AS	5 kg/m²
Top coat	Sika® Ucrete® TCPU Clear	0.18–0.2 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 24 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.

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