BUILDING TRUST

PRODUCT DATA SHEET

Sika® Ucrete® HF 60 RT

(formerly Ucrete® HF 60 RT)

Hygienic, slip resistant, flow-applied, heavy-duty polyurethane 6 mm floor screed

DESCRIPTION

Sika® Ucrete® HF 60 RT is a 6 mm, flow-applied, lightly textured, heavy-duty resin floor. It is used for rapid installation applications such as large fast-track new-build and refurbishment projects.

USES

Sika® Ucrete® HF 60 RT is used as a wearing layer screed for Sika® Ucrete® flooring systems.
Sika® Ucrete® HF 60 RT is used within wet and dry process areas including the following application areas:

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

Please note:

- The Product may only be used by experienced professionals.

FEATURES

- Does not support bacterial or mould growth
- Suitable for application on to 7-day-old concrete and 3-day-old polymer screed
- Fast installation
- Very good resistance to a wide range of chemicals
- Very good mechanical resistance
- Impermeable to liquids
- Non-tainting from the end of mixing
- Low VOC emissions
- Thermal expansion properties similar to concrete
- Tolerant to substrates with high moisture content

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

PRODUCT INFORMATION

Composition	Water-based polyurethane cement hybrid	
Packaging	Refer to the current price list for available packaging variations.	
Shelf life	Always refer to the best-before date of the individual packaging.	
Storage conditions	The Product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +30 °C. Always refer to the packaging. Refer to the current Safety Data Sheet for information on safe handling and storage.	
Colour	Cured colour	Red, Orange, Yellow, Cream, Grey, Light Grey, Green, Green-Brown, Blue.

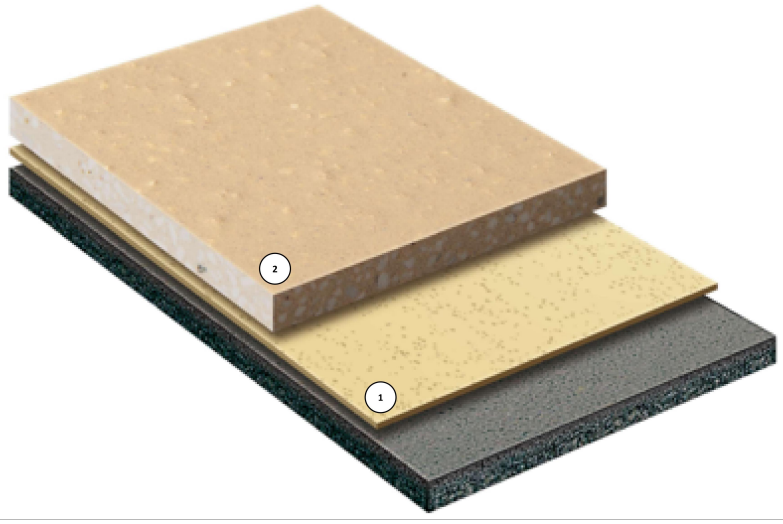
Density	Mixed Product	~1.97 kg/l	(EN ISO 2811-1)

TECHNICAL INFORMATION

Compressive strength	Cured 28 days at +23 °C	48 - 54 N/mm²	(EN 13892-2)
Modulus of elasticity in compression	~3000 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	~6 MPa	(BS 6319-7)
Tensile adhesion strength	Concrete failure		(EN 1542)
Coefficient of thermal expansion	4.1×10^{-5} °C^{-1}		(ASTM C531)
Skid / slip resistance	PTV, slider 96	40–45 wet conditions	(EN 13036-4)
	Flow application	R10	(DIN 51130)
Service temperature	Maximum	+80 °C	
	Minimum	-25 °C	
Chemical resistance	Laboratory-defined resistance to many individual chemicals. Before proceeding, contact Sika Technical Service for specific information.		
Reaction to fire	Class B_{fl}-s1		(EN 13501-1)

SYSTEM INFORMATION

System structure



	Layer	Product
1.	Option 1: Primer slurry	Sika® Ucrete® PFS
	Option 2: Scratch coat	Sika® Ucrete® MF
2.	Wearing layer	Sika® Ucrete® HF 60 RT

Dry film thickness	~6 mm

APPLICATION INFORMATION

Consumption

Layer	Product	Consumption
Option 1: Primer slurry	Sika® Ucrete® PFS	~1.6 kg/m² (~1 mm)
Option 2: Scratch coat	Sika® Ucrete® MF	~2.0 kg/m² (~1 mm)
Wearing layer	Sika® Ucrete® HF 60 RT	10 – 11 kg/m² for 5 mm

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.

Material temperature

Maximum	+25 °C
Minimum	+15 °C

Ambient air temperature

Maximum	+25 °C
Minimum	+12 °C

Substrate temperature

Maximum	+25 °C
Minimum	+12 °C

Curing time

Substrate temperature	Return to traffic
+8 °C	< 24 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

- **Method Statement:** Sika® Ucrete® HF 60 RT
- **Substrate Quality & Preparation:** Please refer to Sika Method Statement: "EVALUATION AND PREPARATION OF SURFACES FOR FLOORING SYSTEMS"

SPECIFICATION INFORMATION

Select the following specification clause as required:

- A 6 mm Sika® Ucrete® HF 60 RT floor is fully resistant to liquid spillage and discharge up to +80 °C and can be lightly steam-cleaned. Suitable for freezer temperatures down to -25 °C.

IMPORTANT CONSIDERATIONS

- Do not apply to PCC (polymer modified cement mortars) that may expand due to moisture when sealed with an impervious resin.
- Always ensure good ventilation when using Sika® Ucrete® HF 60 RT in a confined space, to prevent excessive ambient humidity.
- Freshly applied Sika® Ucrete® HF 60 RT must be protected from damp, condensation and direct water contact for at least 24 hours.
- Protect the substrate during application from condensation from pipes or any overhead leaks.
- Do not apply to cracked or unsound substrates.
- Products of the Sika® Ucrete® product range are subject to discolouration when exposed to UV radiation. Extent depends on colour. There are no measurable losses of any properties when this occurs and it is a purely aesthetical matter.

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.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

IMPORTANT
Reduced service life due to incorrect treatment of cracks
The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking.
TREATMENT OF JOINTS AND CRACKS
Construction joints and existing static surface cracks in substrate require pre-treating before full layer application. Use Sikadur® or Sikafloor® resins.
The System can be applied on green or damp concrete with no standing water. Allow for at least 3 days for early concrete shrinkage to occur to prevent shrinkage cracks from appearing on the wearing surface.
Cementitious substrates must be structurally sound and of sufficient compressive strength (minimum 30 N/mm²) with a minimum tensile adhesion strength of 1.5 N/mm².
Substrates must be clean, dry and free of contaminants such as dirt, oil, grease, coatings, laitance, surface treatments and loose friable material.

APPLICATION

Application must be undertaken by a fully trained and licensed Sika® Ucrete® applicator. Refer to Method Statement for further details.

CLEANING OF EQUIPMENT

Clean all tools and application equipment with e.g. Thinner C or other suitable thinner, immediately after use. Hardened / cured material can only be mechanically removed.

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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