

## PRODUCT DATA SHEET

# Sika® Ucrete® TCPU Clear

(formerly Ucrete® TCPU Clear)

LIGHT-STABLE, CLEAR, POLYURETHANE ENCAPSULATION RESIN

### DESCRIPTION

Sika® Ucrete® TCPU Clear is a one-part, clear aliphatic polyurethane coating finish for the Sika® Ucrete® HPQ and Sika® Ucrete® TZ range of flooring systems. It provides a durable, light-stable surface with very good chemical resistance.

### USES

Sika® Ucrete® TCPU Clear is used as a top coat for Sika® Ucrete® flooring systems.

Please note:

- The Product may only be used by experienced professionals.

### CHARACTERISTICS / ADVANTAGES

- Expert installation by fully trained and licensed applicators
- Fast curing
- Very good mechanical resistance
- Very good resistance to a wide range of chemicals

### 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

<b>Chemical Base</b>	polyurethane	
<b>Packaging</b>	One Part Container	6 kg
	Refer to the current price list for available packaging variations.	
<b>Shelf Life</b>	Always refer to the best-before date of the individual packaging.	
<b>Storage Conditions</b>	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.	

### TECHNICAL INFORMATION

<b>Tensile Adhesion Strength</b>	> 2.0 N/mm <sup>2</sup> (concrete failure)	(EN 1542)
<b>Chemical Resistance</b>	Laboratory-defined resistance to many individual chemicals. Before proceeding, contact Sika Technical Service for specific information.	

### APPLICATION INFORMATION

Consumption	System	Consumption	Area
	Sika® Ucrete® HPQ 1st coat	0.18–0.21 kg/m <sup>2</sup>	28–33 m <sup>2</sup> per unit
	Sika® Ucrete® HPQ 2nd coat	0.14–0.16 kg/m <sup>2</sup>	37–43 m <sup>2</sup> per unit
	Sika® Ucrete® TZ 1st coat	0.05–0.08 kg/m <sup>2</sup>	75–120 m <sup>2</sup> per unit
	Sika® Ucrete® TZ 2nd coat	0.04–0.06 kg/m <sup>2</sup>	100–150 m <sup>2</sup> per unit
	Sika® Ucrete® TZAS	0.05 kg/m <sup>2</sup>	120 m <sup>2</sup> per unit
<p>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.</p>			
Product Temperature	Maximum	+25°C	
	Minimum	+15°C	
Ambient Air Temperature	Maximum	+25°C	
	Minimum	+15°C	
Dew Point	Beware of condensation. The substrate and uncured applied product must be at least +3 °C above the dew point to reduce the risk of condensation or blooming on the surface of the applied product. Low temperatures and high humidity conditions increase the probability of blooming.		
Substrate Temperature	Maximum	+25°C	
	Minimum	+8°C	
Curing Time	The floor can be returned to service after 24 hours. Note: Times are approximate and will be affected by changing ambient and substrate conditions.		
Waiting Time / Overcoating	Minimum	5 hours	
	Maximum	36 hours	
<p>Note: Times are approximate and will be affected by changing ambient conditions, particularly temperature and relative humidity.</p>			

## 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

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing 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.

1. For static cracks, ensure the width is suitable for overcoating with Sika® Ucrete® TCPU Clear.
2. For dynamic cracks, ensure the movement is within the movement capacity of Sika® Ucrete® TCPU Clear.

## 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 Product 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/mm<sup>2</sup>) with a minimum tensile strength of 1.5 N/mm<sup>2</sup>.

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.

## 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 (Singapore) Pte Ltd.

28 Tuas South Ave 8

Singapore 637648

Phone: +65 6861 0632

Fax: +65 6862 3915

Email: sales@sg.sika.com

www.sika.com.sg



### Product Data Sheet

Sika® Ucrete® TCPU Clear

November 2024, Version 01.01

02081400000002017

SikaUcreteTCPUClear-en-SG-(11-2024)-1-1.pdf