

PRODUCT DATA SHEET

Sika® Ucrete® TZ Cove

(formerly Ucrete® TZ Cove)

Heavy-duty resin terrazo coving mortar

DESCRIPTION

Sika® Ucrete® TZ Cove is a heavy-duty resin mortar with very good resistance to aggressive chemicals, abrasion and thermal shock. It provides an attractive and continuous finish forming coves and skirtings alongside Sika® Ucrete® TZ floor systems.

USES

Sika® Ucrete® TZ Cove is used as a detailing mortar for Sika® Ucrete® flooring systems.

Sika® Ucrete® TZ Cove is used within dry process areas including the following application areas:

- Pharmaceutical facilities
- Chemical and processing facilities
- Clean rooms
- Warehouses
- Defence estates
- Electronic facilities and data centres

Please note:

- The Product may only be used by experienced professionals.

FEATURES

- Expert installation by fully trained and licensed applicators
- Suitable for application on to 7-day-old concrete and 3-day-old polymer screed

PRODUCT INFORMATION

Composition	Water-based polyurethane cement hybrid
Packaging	Refer to the current price list for available packaging variations.

- Seamless and hygienic
- Easy to clean and maintain
- Non-tainting from the end of mixing
- Good resistance to abrasion
- Good resistance to specific chemicals
- Good temperature resistance
- Low VOC emissions
- Tolerant to substrates with high moisture content

SUSTAINABILITY

- Specific Environmental Product Declaration (EPD) in accordance with EN 15804. EPD independently verified by EPD International AB

CERTIFICATES AND TEST REPORTS

- Halal Certification Europe (HCE), Sika® Ucrete®, WHFC, Certificate No. 21453-2/1/1/Y3

Colour

Cured colour

Red, Carmine red, Orange, Yellow,
Bright Yellow, Cream, Grey, Light
Grey, Green, Light Green, Green/
Brown, Light blue, Blue N.

Note: Exposure to ultraviolet light may result in discolouration and colour variation. This is an aesthetic change and has no influence on the function and performance.

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.

Density	Mixed Product	2.12 kg/l	(EN ISO 2811-1)
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TECHNICAL INFORMATION

Compressive strength	Cured 28 days at +23 °C	57 N/mm ²	(EN 13892-2)
Modulus of elasticity in compression	3250 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	6 MPa	(BS 6319-7)
Tensile adhesion strength	> 2.0 N/mm ² (concrete failure)		(EN 1542)
Coefficient of thermal expansion	2.4 × 10 ⁻⁵ °C ⁻¹		(ASTM C531)
Reaction to fire	Class B _{fl} -s1		(EN 13501-1)
Chemical resistance	Laboratory-defined resistance to many individual chemicals. Before proceeding, contact Sika Technical Service for specific information.		
Water permeability	Tested for 72 hours at 5 bar	Impermeable to water	(DIN 1048-5)

APPLICATION INFORMATION

Consumption	Layer	Product	Consumption
	Primer	Sika® Ucrete® PRG	0.15–0.2 kg/m ²
	Wearing layer	Sika® Ucrete® TZ Cove	15–17 kg/m ² for 6 mm 21–22 kg/m ² for 9 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	+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	+15°C

Curing time	Substrate temperature	Return to traffic
	+8 °C	16–24 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 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.

Regulation (EC) No 1907/2006 (REACH) - Mandatory training

As from 24 August 2023 adequate training is required before industrial or professional use of this product. For more information and a link to the training visit www.sika.com/pu-training.



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® TZ Cove.
2. For dynamic cracks, ensure the movement is within the movement capacity of Sika® Ucrete® TZ Cove.

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/mm²) with a minimum tensile 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.

LOCAL RESTRICTIONS

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

LEGAL NOTES

Any information or suggestions for use concerning Sika's products, which we either in writing or orally have given buyers or end-users of the product, have been given in good faith based on our own experiences and based on approved praxis and the technological and scientific knowledge on the time of giving such suggestions and information, which are given without any type of guarantees, and which do not lead to any further responsibility from Sika Danmark A/S, besides what is stated in the sales agreement in question. The buyer or end-user should themselves investigate or otherwise make sure, that our products are suitable for the use in question and further make sure that the products are kept and used correct and in agreement with the published rules and considering the actual conditions in order to avoid damages or less satisfactory results. Any order is accepted and any deliverance is affected according to the general terms of sales and delivery from Sika Danmark A/S, which are considered known and accepted, and which could be handed out when asked for. Our catalogues are not up-dated automatically. The present product data sheet is only for use in Denmark. Values stated in the present product data sheet should be seen as recommended, unless stated otherwise.

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