

PRODUCT DATA SHEET

Sika® Ucrete® BC 6

(formerly Ucrete® BC 6)

FAST CURING, FLOW-APPLIED, CEMENTITIOUS URETHANE HYBRID BASE COAT

PRODUCT DESCRIPTION

Sika® Ucrete® BC 6 is a fast-curing, flow-applied water dispersed hybrid polyurethane/cement mortar. It provides a broadcasted base coat for 6 mm (1/4 in) Sika® Ucrete® flooring systems.

WHERE TO USE

Sika® Ucrete® BC 6 may only be used by experienced professionals.

Sika® Ucrete® BC 6 is used as a scratch coat under all Sika® Ucrete® flooring systems

APPROVALS / CERTIFICATES

- 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

CHARACTERISTICS / ADVANTAGES

- Can be applied on green concrete, typically 7-10 days (28 days cure time is not required). When the substrate demonstrates a tensile bond strength in excess of 1.5 MPa (218 psi) after adequate preparation.
- Non-tainting

PRODUCT INFORMATION

Composition / Manufacturing	Water-based polyurethane cement hybrid
Packaging	23.18 kg (51.1 lb) 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 (41 °F) and 30 °C (86 °F). Always refer to the packaging.

Refer to the current Safety Data Sheet for information on safe handling and storage.

TECHNICAL INFORMATION

Pull-Off Strength	> 2.0 MPa (concrete failure)	(EN 1542)
Chemical Resistance	Laboratory-defined resistance to many individual chemicals. Before proceeding, contact Sika Technical Service for specific information.	

APPLICATION INFORMATION

Consumption	10 - 12 kg/m ² (2 - 2.5 lb/ft ²)	
Layer Thickness	6 mm (1/4 in)	
Product Temperature	Maximum	25 °C (77 °F)
	Minimum	15 °C (59 °F)
Ambient Air Temperature	Maximum	30 °C (86 °F)
	Minimum	8 °C (46 °F)
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	30 °C (86 °F)
	Minimum	8 °C (46 °F)
Waiting Time / Overcoating	Substrate temperature 8 °C (46 °F)	Waiting time between 16 to 24 hours
	Note: Times are approximate and will be affected by changing ambient and substrate conditions.	

BASIS OF PRODUCT DATA

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

Properties tested at 23 °C (73 °F) / 50% r.h. unless stated otherwise.

ENVIRONMENT, HEALTH & 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 QUALITY

The concrete substrate sound, solid and stable. The compressive strength of the concrete substrate should be at least 25 MPa (3,625 psi) and a minimum of 1.5 MPa (218 psi) in tension at the time of application.

SUBSTRATE PREPARATION

Remove all dirt, existing paint films, efflorescence, exudates, laitance, forms oils, hydraulic or fuel oils, brake fluid, grease, fungus, mildew, biological residues or any deleterious substance or conditions that may prevent, reduce or inhibit adhesion or performance. Prepare the surface by any appropriate mechanical means, in order to achieve a profile equivalent to ICRI-CSP 3.

Before work commences, examine the areas to be covered and report any improper condition(s) in writing to the general contractor, architect or engineer (or otherwise, the owner). User shall not proceed with the work until surfaces and conditions comply with the requirements indicated in this document; applicable industry standards; federal, provincial and local regulations, as well as good trade practices. By starting work, the Applicator/User acknowledges that the conditions are acceptable.

Repairs to cementitious substrates, filling of blowholes, levelling of irregularities, etc. should be carried out using an appropriate Sika® profiling mortar. Contact Sika® Technical Service and ask for a written recommendation.

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® BC 6.
2. For dynamic cracks, ensure the movement is within the movement capacity of Sika® Ucrete® BC 6.

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.

APPLICATION

Application must be undertaken by a fully trained and licensed Sika® Ucrete® applicator.

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 recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. 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 or may be downloaded from our website at: www.sika.ca

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Product Data Sheet

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