

U-Top 2K



DESCRIPTION

U-Top 2K is a universally applicable, bitumen-free, 2-component seal.

ADVANTAGES

- UV-resistant
- Highly flexible and crack-bridging
- For indoors and outdoors
- Rainproof after approx. 2.5 hours
- Radon-proof
- Brushable and machine sprayable

FIELD OF USE

U-Top 2K is a thick coating suitable for creating crack-bridging seals. It is ideal for sealing building components in contact with the ground in accordance with DIN 18533, for sealing interior spaces in accordance with DIN 18534, as well as for sealing containers and basins in accordance with DIN 18535 Part 3 in water impact class W1-B. It is also suitable as an adhesion primer on old bitumen seals.

U-Top 2K is resistant to freeze-thaw cycles with de-icing salt as part of the testing for surface protection systems according to DIN EN 1504-2.

PRODUCT INFORMATION

Packaging

24kg combi pack : 4 x 4kg powder component and 2 x 4kg liquid component
24kg combi pack : 1 x 16kg powder component and 1 x 8kg liquid component

Storage and shelf life

Store under dry conditions.
If stored in an unopened bag and in a dry place, the product will keep for about 12 months

Consumption

1,2 kg/m²/mm

Working time (20°C)

+/- 30 minutes

U-Top 2K

TECHNICAL DATA	
Crack bridging	In accordance with DIN 14891 ≥ 3 mm (at ≥ 3 mm dry film thickness)
Rain resistance	Approx. 2.5 hours per coat
Loadable	Construction pit can be filled after approx. 6 hours
Processing time	Ca. 50 min.
GEV Emission Code	EC1Plus very low emission Plus

APPLICATION
<u>SURFACE PREPARATION</u> The surface to be covered must be free of residues of oil, formwork oil, grease, dust, or other separating layers. Masonry surfaces should be tightly jointed, and edges and corners (length 4 - 6 cm) should be rounded. Protruding mortar residues must be chipped away, and burrs and sharp irregularities should be leveled. For penetrations, roughen PVC pipes with sandpaper, clean metal pipes, and possibly sand them. The mineral substrates must be load-bearing, stable in shape, and free of cracks. Absorbent mineral substrates must be pre-treated with U-Top 2K primer.
<u>MIXING AND APPLYING U-Top 2K</u> In a clean mixing container, the liquid component B is added and mixed lump-free with the powder component A using a rotating mixer until a homogeneous, workable consistency is achieved. The quantities of the liquid component and powder component are optimally matched. After a maturation time of 3 - 5 minutes, briefly stir again. The sealant should be applied in at least two layers on the primed substrate by means of spreading or brushing. The second application follows after the first layer has cured. U-Top 2K is also sprayable and rollable and can be applied with commonly available bitumen spray equipment. We are happy to advise you on the optimal spraying equipment. Protect freshly applied U-Top 2K from rain, condensation, direct sunlight, and frost. Temperature conditions: Between +5°C and max 30°C Important Notes: All specified values and consumption figures have been determined under laboratory conditions. Different values may result on the construction site. High temperatures shorten the working time, while lower temperatures prolong it. The minimum specified processing temperature must be adhered to. No additional materials may be added, and the mixing ratios must not be altered!

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Consumption Table Applications				
(Water) Load classes	Testing principle	min. Dry film thickness	min. Wet layer thickness	Consumption per m ²
W1.1-E, W1.2-E	Soil moisture and non-pressing water (concrete construction elements)	2,0 mm	2,2 mm	2,4 kg/m ²
W1.1-E, W1.2-E*	Soil moisture and non-pressing water (masonry)	3,0 mm	3,3 mm	3,6 kg/m ²
W2.1-E*	Moderate exposure to pressing water < 3 m	4,0 mm	4,4 mm	4,8 kg/m ²
W2.2-E**		4,0 mm	4,4 mm	4,8 kg/m ²
W1-B	Reservoir seal	4,0 mm	4,4 mm	4,8 kg/m ²
W3-E*	Floor slabs covered with soil	3,0 mm	3,3 mm	3,6 kg/m ²
W4-E	Splashing water at the wall base and capillary water in and under the walls	2,0 mm	2,2 mm	2,4 kg/m ²
Scraping layer	-	-	-	1-2 kg/m ²
Bonding of protective insulation, insulation, and drainage boards	-	-	-	1-2 kg/m ²
Radon barrier	-	4,0 mm	4,4 mm	4,8 kg/m ²
W0-I, W1-I, W2-I, W3-I	Low to very high water load indoors	2,0 mm	2,2 mm	2,4 kg/m ²
W1-B	≤ 5 m full height in reservoirs and basins	2,0 mm	2,2 mm	2,4 kg/m ²

* As a special construction

** On concrete substrates up to 4 m immersion depth as a special construction

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TRANSPORT

Non-hazardous material

TOOLS

Mixer (> 1000W, approx. 400 rpm), trowel.
Clean tools with water immediately after use.

SAFETY

Wear a dust mask (particle filter P2), suitable gloves, and protective safety goggles. For additional information regarding safety measures when handling, transporting, storing, and disposing of the materials, we recommend consulting our Safety Data Sheet.

Legal notice :

Please be advised that the information and data provided are given in good faith based on our current knowledge, laboratory calculations and real-life experiences, serving as general guidelines. They are not binding principles and may not cover every individual case due to diverse working conditions, materials, and construction sites. For this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application. Our products and their usage are described in a general context, and it is recommended to conduct tests or consult with us if there are any doubts. Unless we explicitly provide written assurance regarding the product's suitability for a contractually stipulated intended use, any technical advice or instruction is non-binding. All orders are accepted subject to our current terms of sale and delivery.

