

step

Produktdatenblatt Nr. 9220 - R - 18

Issue: December 2020

KRAITEC® step is a rubber granulate slab specially designed for protection of waterproofing membranes on flat roofs (e.g. walkways for roof maintenance personnel), balconies and terraces. **KRAITEC® step** it is also used as a supporting underlay under systems installed on roofs (e.g. solar power units, antennas etc.).

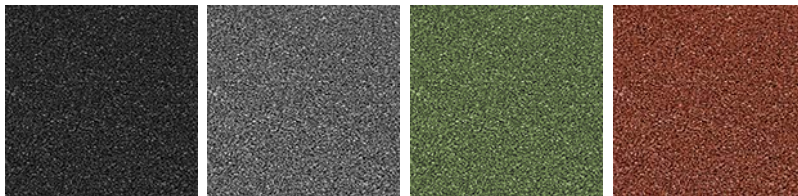
Material

Material:

Polyurethane-bonded recycled Rubbergranulate.

Product design

Colours:



black, grey, green, red

Surface: smooth with open pores, chamfered edges

Lower side: smooth with open pores, with drainage channels

Dimensions / Tolerances / Weight

Length x Width x Thickness: 500 mm x 500 mm, 30 mm

Tolerances: length/width \pm 1.5 %, thickness \pm 2 mm

Weight slab: approx. 5.2kg

Area weight: approx. 20.8 kg / m²

The product data sheet is not subject to any change service! All information is without guarantee.

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Product Testing

Fire resistance:	Efl (B2) (EN 13501-1) Broof(t1) (DIN EN 13501-5)
Chemical resistance:	conditionally resistant to acids and bases
Environmental resistance:	rot-proof and water-resistant
Compression under traffic load:	10 % at approx. 18 t/m ² 20 % at approx. 38 t/m ² (test method based on DIN EN ISO 3386-2)
Water permeability:	given by open pores
Water drainage capacity:	at hydraulic gradient $i = 0,015$: 0.037 L/(m. s) in direction of drainage channels 0.022 L/(m. s) in transverse direction (test method based on DIN EN ISO 12958) at hydraulic gradient $i = 0,05$: 0.097 L/(m. s) in direction of drainage channels 0.070 L/(m. s) in transverse direction (test method based on DIN EN ISO 12958)
Frost-resistant:	yes
Coefficient of thermal expansion:	α_m ca. $10 \times 10^{-5}/^{\circ}\text{C}$
Salt water resistance:	Fully resistant (DIN EN ISO 175, DIN EN ISO 3386-2)
UV-Resistance:	Fully resistant (DIN EN ISO 1297, DIN EN ISO 3386-2) (Colour variations are possible due to environmental influences.)
Anti-slip properties:	C (DIN 5109, wet loaded Barefoot Areas) R10 (For work rooms and work areas with danger of slipping according to DIN 51130: 2014-02)
Chlorine resistance:	Fully resistant (DIN EN ISO 175, DIN EN ISO 3386-2)
Sound Insulation:	The readings have been raised with the full specified layer structure in a laboratory measurement.
Impact sound insulation:	

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The readings have been raised with the full specified layer structure in a laboratory measurement. (In accordance with ISO 10140)

Warm roof		
PIR-insulation 140mm	Waterproofing: Bituminous roofing membranes	Waterproofing: PVC roofing membranes
Impact sound insulation improvement	$\Delta L_w = 27 \text{ dB}$	$\Delta L_w = 32 \text{ dB}$
Layer structure (top to bottom)	<ul style="list-style-type: none"> - KRAITEC® step - 2nd waterproofing layer: PYE PV 200 S 5, slate-coated - 1st waterproofing layer: G 200 S 4, talcum-coated - Insulation: PIR FA WLS 024 (140 mm) - Bitumen vapour barrier: V 60 S 4 + Al 	<ul style="list-style-type: none"> - KRAITEC® step plus - Waterproofing: PVC 1,5mm - Insulation: PIR FA WLS 024 (140 mm) - Bitumen vapour barrier: V 60 S 4 + Al

Water permeability:

Water permeability:
(perpendicular to the plane)

	Coefficient of water permeability k_v , const. at 20°C	Permittivity At 20°C
2 kPa	0,0039 m/s	0,14 1/s

(DIN 60500-4)

Installation

Install in accordance with the **KRAITEC® step** installation instructions.

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Other

Other: plastic connector pins included, receiving holes drilled on two sides (The Standard Colour can be drilled on four sides on request)

Disclaimer: With our information we desire to advise you to the best of our knowledge and belief based on our trials and experiences. However, KRAIBURG Relastec GmbH & Co. KG cannot accept a warranty for the processing result in the specific case, due to the variety of use possibilities, and the storage, processing, and construction site conditions for our KRAITEC® products that are beyond our control. The customer must execute his own tests.

Our technical customer service organization is available to you.