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KRAITEC® top is a structural protection mat for high-quality waterproofing systems and insulation systems which provides physical protection in compliance with DIN 18531, 18533 and 18535. **KRAITEC® top** provides reliable and efficient protection of waterproofing on flat roofs, green roofs, terraces, parking garage decks and underground parking garages. **KRAITEC® top** is equally successful in other applications including below-ground structures, bridge and road construction, garden construction and landscaping. In applications without full-surface covering (e.g. installation under spaced-slat flooring or other noncontinuous surfacing), use of KRAITEC® protect structural protection mats is recommended.

Product design

Colour:	black with multicoloured speckles
Surface:	grain-textured

Dimensions / Tolerances / Weight

Width (individual mats):	1,000, 1,150 mm (± 1.5 %)
Length (individual mats):	2,000, 3,000 mm (± 1.5 %)
Thickness (individual mats):	mm (± 1.0 mm)
Length (roll-form mats):	as ordered (± 1.5 %)
Width (roll-form mats):	1,250 mm (± 1.5 %)
Thickness (roll-form mats):	6, 8, 10 mm (± 0.6 mm) 12, 15 mm (± 1.0 mm)
Density:	approx. 810 kg/m³
Area weight:	approx. 4,86 kg/m² (6 mm) approx. 6,48 kg/m² (8 mm) approx. 8,10 kg/m² (10 mm) approx. 9,72 kg/m² (12 mm) approx. 12,15 kg/m² (15 mm) approx. 16,20 kg/m² (20 mm)

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Product Testing

Tensile strength:	approx. 0.3 N/mm² (DIN EN ISO 1798)
Elongation at break:	approx. 40 % (ISO 1798)
Fire resistance:	Efl (B2) (EN 13501-1)
Service temperature range:	- 30 °C to + 120 °C (Short-term, max. 48h for installing under bitumen gravel and hot bitumen)
Chemical resistance:	conditionally resistant to acids and bases
Environmental resistance:	rot-proof and water-resistant
Resistance to impact:	drop height > 2500 mm for mats 6 mm and thicker (EN 12691)
Puncture resistance:	drop height: (SIA 280) for 6 mm thick mat = 800 mm for 8 mm thick mat = 1000 mm for 10 mm thick mat = 1300 mm
Compression under traffic load:	for 8 mm: 10 % at approx. 19 t/m² 20 % at approx. 50 t/m² (test method based on DIN EN ISO 3386-2)
Water permeability:	given by open pores
Coefficient of thermal expansion:	approx. 10 x 10-5 / °C (test method based on DIN EN 13471) = 1 mm length change per 1000 mm for Δ T = 10 K
Expansion due to humidity:	min. 2% (depending on humidity and situation of installation)
Water vapour permeability:	sd = 0.18 m thickness of vapour-diffusion equivalent air layer
Salt water resistance:	Fully resistant (DIN EN ISO 175, DIN EN ISO 3386-2)
UV-Resistance:	resistant to DIN EN 1297 and DIN EN ISO 3386-2

Installation

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

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Other

Disclaimer:

We want to use this information to advise you to the best of our knowledge and belief on the basis of our tests and experience. However, KRAIBURG Relastec GmbH & Co. KG cannot provide a guarantee for KRAITEC® products for the laying results in individual cases due to the wide range of application possibilities and the storage, laying and construction site conditions, which are outside our influence. You should carry out your own tests. Our technical service would be pleased to assist you.

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