

→ top – Structural Protection Mats

Product Data Sheet

No. 9205 - R - 13

Issue: Jan. 2011

1. Application Sectors

KRAITEC® top is a structural protection mat for high-quality waterproofing systems and insulation systems which provides physical protection in compliance with DIN 18195 Part 10.

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.

2. Material

Polyurethane-bonded recycled rubber granulate (may have slight scent typical of rubber).

3. Appearance / Surface Texture

Colour: black with multicoloured speckles
Surface: grain-textured

4. Standard Dimensions / Tolerances

Length (individual mats):	2000, 2300 mm	± 1.5 %
Width (individual mats):	1000, 1150 mm	± 1.5 %
Thickness (individual mats):	6, 8, 10 12, 15, 18, 20 mm	± 0.6 mm ± 1 mm
Length (roll-form mats):	as ordered	± 1.5 %
Width (roll-form mats):	1250 mm	± 1.5 %
Thickness (roll-form mats):	6, 8, 10 12, 15 mm	± 0.6 mm ± 1 mm
Density:	approx. 900 kg/m ³	

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5. Test Data

Tensile strength:	approx. 0.3 N/mm ²	(DIN EN ISO 1798)
Elongation at break:	approx. 40 %	(DIN EN ISO 1798)
Fire resistance:	E _{fl}	(EN 13501-1)
Service temperature range:	- 30 °C to + 80 °C	
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: for 6 mm thick mat = 800 mm for 8 mm thick mat = 1000 mm for 10 mm thick mat = 1300 mm	(SIA 280) (SIA 280) (SIA 280)
Compression under traffic load:	10 % at approx. 40 t/m ² 20 % at approx. 90 t/m ²	(test method based on DIN EN ISO 3386-2)
Coefficient of thermal expansion:	approx. 10 x 10 ⁻⁵ / °C = 1 mm length change per 1000 mm for Δ T = 10 K	(test method based on DIN EN 13471)
Water vapour permeability:	s _d = 0.18 m thickness of vapour-diffusion equivalent air layer	(DIN EN ISO 12572)
Salt water resistance:	Fully resistant	(DIN EN ISO 175, DIN EN ISO 3386-2)

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6. Installation

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

DISCLAIMER:

The information and data given above are provided to the best of our knowledge based on our test results and experience to date. However, due to the multitude of possible applications and storage, processing and site conditions which are beyond our control, this information and data shall not be construed as a guarantee of any kind for installed KRAITEC® products or their performance in an intended application. Users are advised to carry out their own tests to evaluate suitability for their specific application.

Our Technical Service department will gladly provide further information or assistance as required.

This data sheet is not subject to an update service. All information and data are provided without engagement on our part.

Please visit www.kraiburg-relastec.de to download the currently valid version.

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