

KRAITEC® protect is the heavy-duty protective mat for extreme applications and structural loads within the meaning of DIN 18531, 18533 and 18535 . It is a premium product made from selected materials complying with strict specifications. Due to its high density, **KRAITEC® protect** does not require weighing down prior to installation as do geotextiles. Made to exacting quality standards, **KRAITEC® protect** is extremely rugged and is the optimum solution wherever highest physical demands must be met. Being odourless as well, we recommend **KRAITEC® protect** for applications without full-surface covering (e.g. installations under spaced-slat flooring or other noncontinuous surfacing) on terraces, loggias and balconies.

Material

Material:

Premium-grade recycled rubber crumbs (odourless), bonded with polyurethane.

Product design

Colour: multicoloured

Surface: grain-textured

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

Latest version of this document available on www.kraiburg-relastec.com/kraitec

page 1 of 4

Dimensions / Tolerances / Weight

Width (individual mats):	1150 mm ± 1.5 %
Length (individual mats):	2300 mm ± 1.5 %
Thickness (individual mats):	6, 8, 10 ± 0.6 mm
Length (roll-form mats):	as ordered ± 1.5 %
Width (roll-form mats):	1250 mm ± 1.5 %
Thickness (roll-form mats):	6, 8, 10 mm ± 0.6 mm 12 mm ± 1 mm
Density:	approx. 1050 kg/m ³
Area weight:	approx. 6,3 kg/m ² (6 mm) approx. 8,4 kg/m ² (8 mm) approx. 10,5 kg/m ² (10 mm) approx. 12,6 kg/m ² (12 mm)

Product Testing

Tensile strength:	approx. 0.8 N/mm ² (DIN EN ISO 1798)
Elongation at break:	approx. 120 % (DIN EN ISO 1798)
Fire resistance:	Efl (B2) (EN 13501-1)
Service temperature range:	-30° to 80°C
Chemical resistance:	conditionally resistant to acids and bases
Environmental resistance:	rot-proof and water-resistant
Resistance to impact:	drop height \geq 2500 mm for mats 6 mm and thicker (EN 12691)
Puncture resistance:	drop height: for 12 mm thick mat = 1.90 m (SIA 280)
Compression under traffic load:	for 8mm : 10 % at approx. 35 t/m ² 20 % at approx. 80 t/m ² (test method based on DIN EN ISO 3386-2)
Coefficient of thermal expansion:	approx. $10 \times 10^{-5} / ^\circ\text{C}$ (test method based on DIN EN 13471) = 1 mm length change per 1000 mm for $\Delta T = 10 \text{ K}$
Expansion due to humidity:	min. 2% (depending on humidity and situation of installation)
Salt water resistance:	Fully resistant (DIN EN ISO 175, DIN EN ISO 3386-2)
Compatibility:	Must be approved by the roofing membrane manufacturer
UV-Resistance:	resistant to DIN EN 1297 and DIN EN ISO 3386-2

Installation

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

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.