

**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

## Dimensions / Tolerances / Weight

Width (individual mats):	1000 mm $\pm$ 1.5 %
Length (individual mats):	2000 mm $\pm$ 1.5 %
Thickness (individual mats):	6, 8, 10 $\pm$ 0.6 mm
Length (roll-form mats):	as ordered $\pm$ 1.5 %
Width (roll-form mats):	1250 mm $\pm$ 1.5 %
Thickness (roll-form mats):	6, 8, 10 mm $\pm$ 0.6 mm 12 mm $\pm$ 1 mm
Density:	approx. 1050 kg/m <sup>3</sup>
Area weight:	approx. 6,3 kg/m <sup>2</sup> (6 mm) approx. 8,4 kg/m <sup>2</sup> (8 mm) approx. 10,5 kg/m <sup>2</sup> (10 mm) approx. 12,6 kg/m <sup>2</sup> (12 mm)

## Product Testing

Tensile strength:	approx. 0.8 N/mm <sup>2</sup> (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
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 <sup>2</sup> 20 % at approx. 80 t/m <sup>2</sup> (test method based on DIN EN ISO 3386-2)
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)
UV-Resistance:	resistant to DIN EN 1297 and DIN EN ISO 3386-2

## Installation

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

## Other

Other:	Compatibility: Due to the large number of commercially available waterproofing membranes with different formulations, the compatibility (e.g. with plasticisers or blocking) must be approved by the manufacturer of the waterproofing membrane.
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.