

KRAITEC® top plus is a structural protection mat for protection against mechanical damage on seals and insulating elements as defined in DIN 18531, 18533 and 18535. **KRAITEC® top plus** features PVC fleece-lamination on the underside that functions as an integrated separating layer in case of incompatibilities (e.g. softener migration) of the roof waterproofing membranes. Please be advised that a consultation with the particular roofing membrane manufacturer is recommended!

Material

Material:

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

Product design

Surface: black with multicoloured speckles
Lower side: white fleece-laminated

Dimensions / Tolerances / Weight

Length (roll-form mats): as ordered $\pm 1.5 \%$
Width (roll-form mats): 1250 mm $\pm 1.5 \%$
Thickness (roll-form mats): 6, 8, 10mm ± 0.6 mm
Fleece:
Thickness 2,5mm
Density: approx. 810 kg/m³
Fleece:
approx. 300 kg/m³ $\pm 10\%$ (PVC- compatible)
Area weight: approx. 4,86 kg/m² (6 mm)
approx. 6,48 kg/m² (8 mm)
approx. 8,10 kg/m² (10 mm)

Product Testing

Tensile strength:	approx. 0.3 N/mm ² (DIN EN ISO 1798)
Elongation at break:	approx. 40 % (DIN EN ISO 1798)
Fire resistance:	Efl (B2) (EN 13501-1)
Service temperature range:	-30° to 80°C
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 (SIA 280) for 8 mm thick mat = 1000 mm (SIA 280) for 10 mm thick mat = 1300 mm (SIA 280)
Compression under traffic load:	for 8mm : 10 % at approx. 19 t/m ² 20 % at approx. 50 t/m ² (test method based on DIN EN ISO 3386-2)
Water permeability:	given by open pores
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)
UV-Resistance:	resistant to DIN EN 1297 and DIN EN ISO 3386-2
Plasticizer migration:	Is prevented by fleece lamination.

Installation

Install in accordance with the **KRAITEC® top plus** 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.