top PV

Produktdatenblatt Nr. 9205 b - R - 04
Issue: August 2022

KRAITEC® top PV is a structural protection mat for protection against mechanical damage on high-quality PVC- seals as defined in DIN 18531, 18533 and 18535. **KRAITEC® top PV** is used as a protecting underlay and ply separation for photovoltaic systems. **KRAITEC® top PV** features a composite film laminate on the underside as an integrated separating layer in case of incompatibility with the PVC-roof waterproofing membranes. Please be advised that a consolation with the particular roofing membrane manufacturer is recommended. Additionally provided with a coefficient of friction ≥ 0.6 (see data below)

Material

Material:

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

Product design

Surface:	black with multicoloured speckles
Lower side:	Blue composite film laminate

Dimensions / Tolerances / Weight

Length (roll-form mats):	as ordered ± 1.5 %
Width (roll-form mats):	1250 mm ± 1.5 %
Thickness (roll-form mats):	6, 8, 10mm ± 0.6 mm
Density:	approx. 810 kg/m³
Lamination:	composite film laminate 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)

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Product Testing

Coefficient of friction:	μ ≥ 0,6 according to the condition and age of the roofing Membrane * Laboratory measurement metal on PVC roofing Membrane (dry/new)
Tensile strength:	approx. 0.3 N/mm² (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
Compression under traffic load:	for 8mm : 10 % at approx. 19 t/m² 20 % at approx. 50 t/m² (test method based on DIN EN ISO 3386-2)
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 the Lamination

Installation

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

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Other

Other:	Compatibility: Due to the large number of commercially available waterproofing membranes with different formulations, the compatibility (e.g. with plasticizers 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.

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