

KRAITEC® top FiRe is a special equipped structural protection mat for high-quality waterproofing systems and insulation systems which provides physical protection in compliance with DIN 18531, 18533 and 18535. **KRAITEC® top FiRe** has flame-retardant equipping which contributes to a significant reduction in the fire load on flat roofs. **KRAITEC® top FiRe** is a Broof (t1) classified structural protection mat, which is considered a “hard roofing” that is resistant to flying sparks and radiant heat. KRAITEC® top FiRE is equally successful in other applications for example Flatroofs, greenroofs, balconies, terraces or under photovoltaic systems.

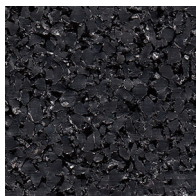
Material

Material:

Polyurethane-bonded recycled rubber granulate with none flammabel equipment (may have slight scent typical of rubber)

Product design

Colours:



Colour: black
Surface: grain-textured

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

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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): | 8 mm ($\pm 0,6$ mm) |
| Density: | ca. 810 kg/m ³ |
| Area weight: | ca. 6,48 kg/m ² |

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Product Testing

| | |
|-----------------------------------|---|
| Tensile strength: | approx. 0,30 N/mm ² (DIN EN ISO 1798) |
| Elongation at break: | approx. 40 % (ISO 1798) |
| Fire resistance: | Broof(t1) (DIN EN 13501-5) Bfl s1 (DIN EN 13501-1:2010) |
| Service temperature range: | -30°C bis +120°C (short term, max. 48h when laying under bitukies and Hot bitumen) |
| Chemical resistance: | conditionally resistant to acids and bases |
| Environmental resistance: | rot-proof and water-resistant |
| Puncture resistance: | approx. for 8 mm thickness = 1000 mm (SIA 280) |
| Compression under traffic load: | for 8mm : ca. 19 t/m ² bei 10% Stauchung ca. 50 t/m ² bei 20% Stauchung |
| Water permeability: | given by open pores |
| Frost-resistant: | yes |
| Coefficient of thermal expansion: | approx. 10 x 10 ⁻⁵ / °C (test method based on DIN EN 13471) |
| Expansion due to humidity: | min. 2% (depending on humidity and situation of installation) |
| Water vapour permeability: | sd = 0,18 m thickness of vapour-diffusion equivalent air layer |
| 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 |
| Chlorine resistance: | Fully resistant (DIN EN ISO 175, DIN EN ISO 3386-2) |
| Certifications: | |

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Broof-t1, Bfl-s1 Icon

Installation

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