



Produktdatenblatt Nr. 9215a. - R - 01 Issue: July 2024

DAMTEC® sonic FiRe is a special flame-retardant building protection mat in accordance with DIN 18531 for impact sound insulation on roof terraces, balconies, loggias and arcades. **DAMTEC®** sonic FiRe has a flame-retardant finish which contributes to a considerable reduction in the fire load on flat roofs, balconies and loggias. **DAMTEC®** sonic FiRe is a Broof (t1) classified building protection mat for impact sound insulation in outdoor areas, which is considered a "hard roofing" that is resistant to flying sparks and radiant heat. For this purpose, **DAMTEC®** sonic FiRe is laid in classic constructions with concrete slabs in chippings bedding and thermal insulation by PIR, EPS or XPS (warm and inverted roof).

Material

Material:

Polyurethane-bonded recycled rubber granulate (may have slight scent typical of rubber) with flame-retardant finish.

Product design

Colour:	black with blue colour particles
Surface:	grain-textured

Dimensions / Tolerances / Weight

Length (roll-form mats):	8000mm (± 1.5 %)
Width (roll-form mats):	1250mm (± 1.5 %)
Thickness (roll-form mats):	8mm (± 1 mm)
Density:	approx. 780kg/m ³
Area weight:	approx. 6,24kg/m²

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





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Product Testing

Tensile strength:	0,3N/mm² (DIN EN ISO 1798)
Elongation at break:	30% (ISO 1798)
Fire resistance:	Cfl S1 (DIN EN 13501-1) Broof (t1) (DIN EN 13501-5)
Service temperature range:	-30° to 80°C
Chemical resistance:	conditionally resistant to acids and bases
Environmental resistance:	rot-proof and water-resistant
Compression under traffic load:	to 8mm: approx. 17 t/m2 at 10% compressive strain approx. 32 t/m2 at 15% compressive strain approx. 47 t/m2 at 20% compressive strain (in accordance with DIN EN ISO 3386-2)
Water permeability:	given by open pores
Water drainage capacity:	Water drainage capacity: at hydraulic gradient i = 0.01: 1.2 t/m2 load: 0.21 L /(m·s) 8.0 t/m2 load: 0.16 L /(m·s) at hydraulic gradient i = 0.02: 1.2 t/m2 load: 0.32 L /(m·s) 8.0 t/m2 load: 0.24 L /(m·s) (test data in combination with 40mm grit bed (2/8)) (in accordance with DIN EN ISO 12958)
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 = 1m thickness of vapour-diffusion equivalent air layer
Compatibility:	Must be approved by the roofing membrane manufacturer

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Certifications:



Broof-t1, Cfl-s1

Installation

Install in accordance with the DAMTEC® sonic installation instructions.

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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.

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