

base FR

Product data sheet no. 9164 - R - 05

Issue: June 2025

Like the SPORTEC® base MS, the **SPORTEC® base FR** also protects the substrate from impacts of heavy weights, but additionally has increased fire protection values. Furthermore, it equally features excellent sound insulation properties and can be used both indoors and outdoors.

Material

Material:

A mixture of chosen EPDM rubber granules bonded with polyurethane elastomer

Product design

Colour(s): black
(low colour differences are conditional of material)

Colour(s):



base FR

Surface: open-pored smooth
Lower side: dimpled base, with reinforcement mesh (at 30mm)
flat base, without mesh (at 20 mm)
Type of floor covering: Safety surface for indoor and outdoor

Dimensions / Tolerances / Weight

Thickness(es): 30 mm (± 2 mm)
20 mm (± 2 mm) (only possible at 1000 mm x 1000 mm) - no connector pins

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Length x width:	500 mm / 500 mm ($\pm 0.8 \%$) 500 mm / 1000 mm ($\pm 0.8 \%$) 1000 mm / 1000 mm ($\pm 0.8 \%$)
Area weight:	approx. 27.0 kg/m ² approx. 18.4 kg/m ² (at 20 mm)
Weight slab:	approx. 6.8 kg (at 500 mm x 500 mm) approx. 13.5 kg (at 1000 mm x 500 mm) approx. 27.0 kg (at 1000 mm x 1000 mm) approx. 18.4 kg (at 20 mm x 1000 mm x 1000 mm)
Edge straightness:	max. 1.2 mm (DIN EN ISO 24342)

Product Testing

Fire resistance:	C _{fl} -s1 (DIN EN 13501-1)
Tensile strength:	min. 0.75 N/mm ² (EN ISO 1798)
Elongation at break:	min. 50 % (EN ISO 1798)
Hardness:	60 \pm 5 Shore A (DIN 53505)
Temperature range:	-30°C to 80°C (internal tested)
Force reduction:	approx. 51 % (at 30 mm) (internal tested) approx. 35 % (at 20 mm) (internal tested)
Energy Restitution:	(in accordance with CEN / TS 16717) 54 % at 30 mm
Anti-slip property:	R10 (EN 16165:2021-12)
Step sound insulation:	25 dB (DIN EN ISO 10140-3:2015-11) 30 dB (with SPORTEC team cup 10 mm) (DIN EN ISO 10140-3:2015-11) 33 dB (with SPORTEC supercell DC2 10 mm) (DIN EN ISO 10140-3:2015-11)

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Light reflectance value 3.0 % (at black) (EN 17317)
(LRV):

VOC emission rating: French VOC Regulation (A+)

Storage

Storage advice: The goods should be stored in a dry room with good air circulation to prevent moisture and mold growth. The protective foil must also be removed when the goods arrive to ensure proper ventilation and to prevent condensation.

Installation

Installation has to be done in accordance to the Installation Recommendation of **SPORTEC® base FR**. After installation, the room must be ventilated to remove specific odors from rubber flooring (and adhesive). A regular airing of the room is recommended. The latest version of the Installation Recommendation can be downloaded at the website of KRAIBURG Relastec GmbH & Co. KG.

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