Safety-Floor Rail
DB4/DB5 E-4679/U

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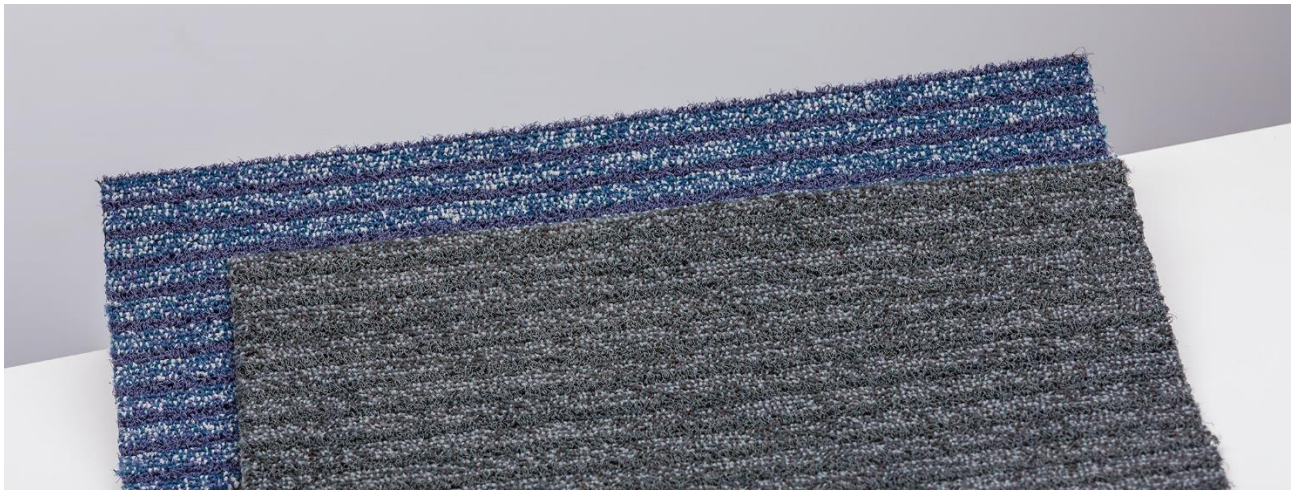

Product Description

Entrance Floors need to be extremely safe and resistant. They should sustain frequently pedestrian traffic, work in wet weather conditions and meet the strict requirements of the norm EN 45545-2. Products for this kind of areas must comply with these requirements. SFS products meet the demands completely. Consequently, focus is based on functionality, cleanability and endurance. **Safety-Floor Rail** uses a dual-fiber-covering: the rough fiber absorbs dirt, whereas the fine fiber absorbs moisture.
The open loop structure simplifies drying and cleaning. As a result adjacent floors still keep dry and stay clean for a longer period. Outstanding design, low weight, good flammability properties (HL2 according DIN EN 45545-2), good sound insulation and maximum durability are the major characteristics of **Safety-Floor Rail**.

Product Benefits

- Consistent use of high-quality materials.
- Adjacent floor coverings are optimally protected against moisture and dirt.
- High non-fade properties and resistance to cleaning agents due to pigment dyed yarn.
- Open loop structure simplifies drying and cleaning.
- Good footfall sound insulation due to foamed backing.
- HL2 according to DIN EN 45545-2, R10

Cleaning and Installing

Use a Brush-vacuum for regular cleaning. In addition, we recommend a thorough cleaning with spray extraction for textile floors every four weeks. We strongly recommend *Allclean* (formerly *Rotowash*) brush cylinder machines. Using this method, the carpet dries more quickly (approx. 6-8 h under room temperature conditions). Before wet cleaning, the carpet should be thoroughly vacuumed and persistent stains should be removed. Cleaning with carpet powder is not recommended because the powder can lay down between the fibers. It is, however, important to remove stains in time, because otherwise they may set which is hard to remove later. Carry out a visual inspection of structural/mechanical defects (like protruding fibers) at regular intervals.

For laying we recommend the laying fleece WA446. Due to the two different adhesive sides of the fleece, it is possible to remove the carpet and fleece in one step easily. Thanks to our bonding we need no curing time – the carpet areas are immediately passable. Please use the Safety-Floor Rail Installation Instructions for assistance.

Carpet rolls must always be shipped and stored upright. Horizontal storage can cause pressure marks on the carpet.

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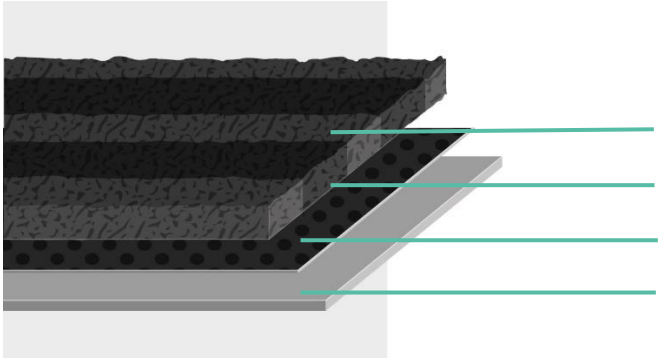
Zertifiziertes Qualitätsmanagementsystem AGQS DIN EN ISO 9001:2015
Zertifiziertes Managementsystem AGQS DIN EN ISO 14001:2015

Technical Data



Colour	Blue (DB4), Gray (DB5), other colours available on request
Max. Width	DB4 2.100 mm (± 10 mm), DB5 1,750 mm
Rapport	approx. 22 mm
Backing material	NSF-foam back
Material thickness	approx. 8 mm (± 0,75 mm)
Pile layer wight	approx. 700 g/m²
Total wight	2,5 kg/m² (± 10 %)
Pile layer thickness	approx. 4,5 mm
Number of fiber bundles	approx. 115.000 /m²
Fiber material	Nylon 6
Fire Behaviour (EN 45545-2, R10, in combination with WA446 on Al)	HL 2 (pretested)
Footfall sound insulation	approx. 28 dB VM
Changes in appearance (ISO 10361)	category 33 according to EN 1307, heavy industrial use
Suitability for castor-chair traffic (EN 985)	suitable for heavy castor-chair use according to EN 1307
Water fastness (EN ISO 105-E01)	5, highest classification, fulfilled water fastness according to EN 1307
Friction resistance (EN ISO 105-X12)	5, highest classification, fulfilled friction resistance according to EN 1307
Dimensional stability (ISO 2551)	max. shrinking: – 0,38 %, max. enlarging: – 0.21 %
Fastness to light (EN ISO 105-B02)	7 – 8, highest classification
Electric resistance (ISO 10965)	horizontal: 9,9 x $E10^{8}$, vertical: 1,3 x $E10^{11}$
Electrostatic behaviour (ISO 6356)	≤ 0,7 kV
Anti-slip resistance (DIN 51130 / BG181/TSI)	R12 (30,5°)
Pull-out force for fiber bundles (ISO 4919)	fine fiber = 80 N, rough fibre = 40 N
Adhesive strength in combination with WA 446 (DIN EN 1939, 24h, Al, 180°, T=23°C)	approx. 30 – 35 N/25 mm
Wear Resistance (EN ISO 12951:2020 Prüfung A)	< 25% loss of weight
Dryability after 8h and 23° Room Temperature	21,63 % Humidity 7,67 % residial moisture after spray cleaning

All data listed prior are based on our actual experience and are not allowed to be adapted in specifications. Please make sure by yourself before applying our products if they are suitable for your purpose. All questions concerning warranty and liability are governed by our legal terms of sales. All technical data of our products are considered to be our intellectual property. Their usage is only allowed with our agreement.

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