

1. Application - Indoor Use Only

SPORTEC® Puzzlemat is made of our established floor coverings **SPORTEC® Color** and **SPORTEC® Purcolor** and is suitable as a rugged, easy-to-clean and water-repellent floor covering material for use in sports and fitness facilities, exhibition halls, equipment storage rooms and ice sports stadiums. It has the same excellent properties as the both floor coverings and combines these with the variability of a mobile floor covering. The tiles interlock ensuring a strong bond between the mats, whereby also larger areas can be installed fast and easy. **SPORTEC® Puzzlemat** can be disconnected and laid out again on another place. A mixture of different colours is simple possible and enables a wide scope of creativity.

2. Material



SPORTEC® Color: Fine-grained recycled tyre rubber (black) and 15% of coloured EPDM granules bonded with polyurethane elastomer.

SPORTEC® Purcolor: 100% coloured EPDM granules with a share of 15% black EPDM granules bonded with polyurethane elastomer.

3. Product Design

Colours:



SPORTEC® Color in black or with share of 15% EPDM: (Green, Blue, Light Grey, Red, Blue/ Light Grey, Bright Yellow).

SPORTEC® Purcolor Light Grey, Dark Grey (other colours on request). Low colour differences are conditional of material.

Surface: Fine granule structure

4. Dimensions/Tolerances

Length/Width:	1,000mm x 1500mm (± 1.5%)
Thickness:	9mm (± 0.3mm)
Volumetric weight:	Approx. 1,050kg/m ³ (at SPORTEC® Color) Approx. 1,250kg/m ³ (at SPORTEC® Purcolor)
Area weight:	Approx. 9.5kg/m ² (at SPORTEC® Color) Approx. 11.3kg/m ² (at SPORTEC® Purcolor)

5. Product Testing

Hardness:	60 ± 5 Shore A	(DIN 53505)
Temperature range:	-30°C to 80°C	(internal tested)
Coefficient of friction:	> 0.30μ (DS)	(EN 13893)
Step sound insulation:	18dB (at 8 mm)	(DIN EN ISO 140-8:1998-03)
Compression set:	Approx. 15%	(internal tested)
Use with wheel chairs:	for permanent use adapted	(DIN EN 1307: 1997-06)

5a. SPORTEC® Puzzlemat Color:

Fire resistance:	Efl (B2)	(EN 13501-1)
Tensile strength:	min. 1.5N/mm ²	(EN ISO 1798)
Elongation at break:	min. 80%	(EN ISO 1798)
Abrasion:	max. 200mm ³	(DIN 53516)
Anti-slip property:	R10	(DIN 51130)
Remaining deformation:	0.13mm (at 8mm)	(EN 433:1994-11)
Electrostatic properties:	0.5kV	(DIN EN 1815:1995-06)
Thermal resistance:	0.064m ² K/W (Suitable for underfloor heating)	(DIN EN 12664:2001)
Light fastness:	2-3	(DIN EN 105-B02:1999-09)



5b. SPORTEC® Puzzlemat Purcolor:

Fire resistance:	Cfl-s1 (B1)	(DIN EN 13501-1)
Tensile strength:	min. 0.7N/mm ²	(EN ISO 1798)
Elongation at break:	min. 70%	(EN ISO 1798)
Abrasion:	max. 450mm ³	(DIN 53516)
Anti-slip property:	R9	(DIN 51130)
Remaining deformation:	0.54mm (at 8mm)	(EN 433:1994-11)
Electrostatic properties:	2.6kV	(DIN EN1815:1995-06)
Thermal resistance:	0.065 m ² K/W (Suitable for underfloor heating)	(DIN EN 12664:2001)
Light fastness:	4 (5*) (*when sealed with suitable 2-K-PU sealer)	(DIN EN 105-B02:2002)



TVS PUZZLEMAT

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