puzzle 2.0

Product data sheet no. 9167 - R - 05
Issue: October 2023

SPORTEC® puzzle 2.0 is made of our established floor covering **SPORTEC® color** and **SPORTEC® purcolor** and is suitable as a rugged, easy-to-clean and water-repellent floor covering material for use in fitness and gym facilities, retail outlets, exhibition halls, equipment storage rooms and ice sports stadiums. It has the sam excellent properties as the both floor coverings and combines these with the variability of a mobile floor covering. His interlocking teeth ensure a strong bond between the mats, whereby also larger areas can be installed fast and easy. **SPORTEC® puzzle 2.0** 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.

Material

Material:

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

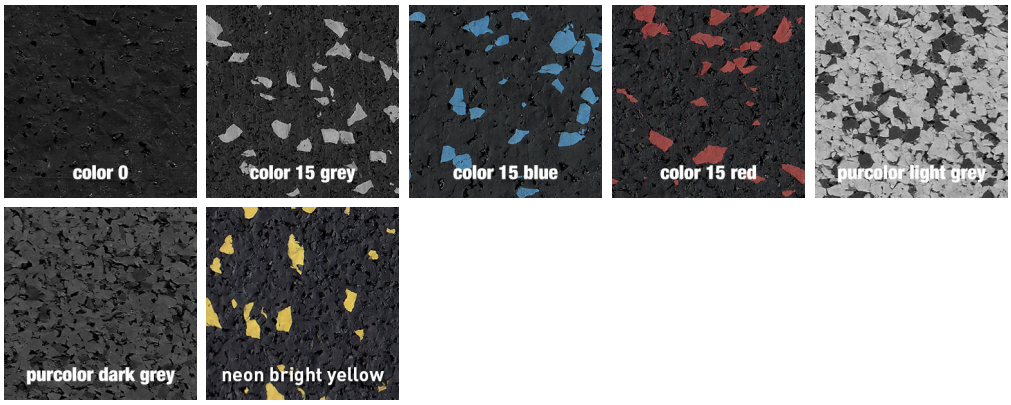
SPORTEC® purcolor: 100% coloured EPDM granules with a share of 15% black EPDM granules bonded with polyurethane elastomer.

CE
18
SPORTEC-002-CPR
KRAIBURG Relastec GmbH & Co. KG
Fuchsberger Straße 4
29410 Salzwedel / Germany
EN 14041:2004 /AC2006
E_{fl} E1 HCHO DS
EN 1817
SPORTEC® color

CE
18
1658-CPR-3416
KRAIBURG Relastec GmbH & Co. KG
Fuchsberger Straße 4
29410 Salzwedel / Germany
EN 14041:2004 /AC2006
C_{fl}-s1 E1 HCHO DS
EN 1817
SPORTEC® purcolor

Product design

Colour(s):



neon bright yellow

KRAIBURG Relastec GmbH & Co.KG
Fuchsberger Straße 4 · D-29410 Salzwedel
Fon +49-(0)3901-8304-66
tech-sportec@kraiburg-relastec.com · www.kraiburg-relastec.com

Made in Germany
qualityaustria SYSTEMZERTIFIZIERT ISO 9001:2015 NR. 00186/0 ISO 50001:2011 NR. 00070/0

Product data sheet no. 9167 - R - 05
Issue: October 2023

Surface:	fine granule structure
Type of floor covering:	Safety surface for indoor
Note:	other colours on request low colour differences are conditional of material

Dimensions / Tolerances / Weight

Thickness(es):	6, 8 and 10 mm (± 0.3 mm) (other thicknesses on request)
Length x width:	dimension puzzle: 1030 x 1030 mm (± 1.5 %) covering dimension: 1000 x 1000 mm (± 1.5 %)
Density:	approx. 1050 kg/m³ (at SPORTEC color) approx. 1250 kg/m³ (at SPORTEC purcolor)
Area weight:	at SPORTEC color: approx. 6.3 kg/m² (6 mm); approx. 8.4 kg/m² (8 mm); approx. 10.5 kg/m² (10 mm) at SPORTEC purcolor: approx. 7.5 kg/m² (6 mm); approx. 10.0 kg/m² (8 mm); approx. 12.5 kg/m² (10 mm)

CE 18
SPORTEC-002-CPR
KRAIBURG Relastec GmbH & Co. KG
Fuchsberger Straße 4
29410 Salzwedel / Germany
EN 14041:2004 /AC2006
E_{fl} E1 HCHO DS
EN 1817
SPORTEC® color

Product Testing

Fire resistance:	E_{fl} (DIN EN 13501-1) (at SPORTEC color) C_{fl}-s1 (B_{fl}-s1 on request) (DIN EN 13501-1) (at SPORTEC purcolor)
Tensile strength:	min. 1.5 N/mm² (EN ISO 1798) (at SPORTEC color) min. 0.7 N/mm² (EN ISO 1798) (at SPORTEC purcolor)

CE 18
1658-CPR-3416
KRAIBURG Relastec GmbH & Co. KG
Fuchsberger Straße 4
29410 Salzwedel / Germany
EN 14041:2004 /AC2006
C_{fl}-s1 E1 HCHO DS
EN 1817
SPORTEC® purcolor

KRAIBURG Relastec GmbH & Co.KG
Fuchsberger Straße 4 · D-29410 Salzwedel
Fon +49-(0)3901-8304-66
tech-sportec@kraiburg-relastec.com · www.kraiburg-relastec.com

Made in Germany
qualityaustria SYSTEMZERTIFIZIERT ISO 9001:2015 NR. 00186/0 ISO 50001:2011 NR. 00070/0

Product data sheet no. 9167 - R - 05
Issue: October 2023

Elongation at break:	min. 80% (EN ISO 1798) (at SPORTEC color) min. 70% (EN ISO 1798) (at SPORTEC purcolor)
Hardness:	60 ± 5 Shore A (DIN 53505)
Temperature range:	-30°C to 80°C (internal tested)
Abrasion:	at SPORTEC color: max. 200 mm³ (DIN 53516) 132 % Abrasion resistance index (ISO 4649:2017) at SPORTEC purcolor: max. 450 mm³ (DIN 53516) 35 % Abrasion resistance index (ISO 4649:2017)
Coefficient of friction:	>0.30 µ (DS) (EN 13893)
Anti-slip property:	R 10 (DIN 51130) R 11 (sealed with RZ turbo protect zero + RZ grip)
Step sound insulation:	16 dB (at 6 mm) / 18 dB (at 8 mm) (DIN EN ISO 10140-3:2015-11) (at SPORTEC color) 15 dB (at 6 mm) / 16 dB (at 8 mm) (DIN EN ISO 10140-3:2015-11) (at SPORTEC purcolor)
Remaining deformation:	0.15 mm (at 6 mm) / 0.14 mm (at 8 mm) (at SPORTEC color) (ISO 24343-1) 0.36 mm (at 6 mm) / 0.25 mm (at 8 mm) (at SPORTEC purcolor) (ISO 24343-1)
Compression set:	approx. 15 % (internal tested)
Electrostatic properties:	0.0 kV (EN 1815:2016) (at SPORTEC color) -0.6 kV (EN 1815:2016) (at SPORTEC purcolor)

CE
18
SPORTEC-002-CPR
KRAIBURG Relastec GmbH & Co. KG
Fuchsberger Straße 4
29410 Salzwedel / Germany
EN 14041:2004 /AC2006
E_{fl} E1 HCHO DS
EN 1817
SPORTEC® color

CE
18
1658-CPR-3416
KRAIBURG Relastec GmbH & Co. KG
Fuchsberger Straße 4
29410 Salzwedel / Germany
EN 14041:2004 /AC2006
C_{fl}-s1 E1 HCHO DS
EN 1817
SPORTEC® purcolor

KRAIBURG Relastec GmbH & Co.KG
Fuchsberger Straße 4 · D-29410 Salzwedel
Fon +49-(0)3901-8304-66
tech-sportec@kraiburg-relastec.com · www.kraiburg-relastec.com

Made in Germany
qualityaustria SYSTEMZERTIFIZIERT ISO 9001:2015 NR. 00186/0 ISO 50001:2011 NR. 00070/0

Product data sheet no. 9167 - R - 05
Issue: October 2023

Light fastness:	2-3 (grey scale) (DIN EN 105-B02:1999-09) (at SPORTEC color) 4 (5*) (grey scale) (DIN EN 105-B02:1999-09) (at SPORTEC purcolor) 5 - 8 (blue scale) (ISO 105-B02:2014) (at SPORTEC purcolor) (* if sealed with a suitable 2-component PU varnish)
Light reflectance value (LRV):	3.5 % (at color 0) (EN 17317) 6.2 % (at color 15 light grey) (EN 17317) 30.5 % (at purcolor light grey) (EN 17317)
Castor chair suitability:	for permanent use adapted (DIN EN 1307: 1997-06)
VOC emission rating:	

ÉMISSIONS DANS L'AIR INTÉRIEUR* A+ A+ A B C

CE 18
SPORTEC-002-CPR
KRAIBURG Relastec GmbH & Co. KG
Fuchsberger Straße 4
29410 Salzwedel / Germany
EN 14041:2004 /AC2006
E_{fl} E1 HCHO DS
EN 1817
SPORTEC® color

Installation

Installation has to be done in accordance to the Installation Recommendation of **SPORTEC® puzzle 2.0**.

CE 18
1658-CPR-3416
KRAIBURG Relastec GmbH & Co. KG
Fuchsberger Straße 4
29410 Salzwedel / Germany
EN 14041:2004 /AC2006
C_{fl}-s1 E1 HCHO DS
EN 1817
SPORTEC® purcolor

KRAIBURG Relastec GmbH & Co.KG
Fuchsberger Straße 4 · D-29410 Salzwedel
Fon +49-(0)3901-8304-66
tech-sportec@kraiburg-relastec.com · www.kraiburg-relastec.com

Made in Germany
qualityaustria SYSTEMZERTIFIZIERT ISO 9001:2015 NR. 00186/0 ISO 50001:2011 NR. 00070/0
IQNet
IAKS
U.S. GREEN BUILDING COUNCIL MEMBER