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Product data sheet
Version 10/2023

ELTECPUR® sport
SOLUTIONS FOR SPORT

# ELTECPUR® sport
# Fitness Mats

## MATERIAL CHARACTERISTIC

| | | |
|---|---|---|
| Description | Mixture/product made from recycled, polyurethane-bonded rubber fibres and granules (SBR, EPDM) | |
| Application | Protective mats for floor areas in fitness centres (e.g., CrossFit, exercise machines or spaces for weightlifting exercise) and sports grounds for heavy athletics. | |
| Properties | Pressure-loadable, impact-resistant, abrasion-resistant, elastic, long-life, recyclable | |
| Colours | **Standard colours for Multicolor 5, 10, 15, 20, 30:** black-grey,<br>**Special colours for Multicolor 5, 10, 15, 20, 30:** black-blue, black-yellow, black-red, other colours on request | |
| Thickness | 0.5 cm, 0.8 cm, 1.0 cm, 1.5 cm, 2.0 cm | |
| Dimensions | 200 x 100 cm | |
| Density (±10%) | 900 kg/m$^3$ | |
| Weight (approximate) | 0.5 cm: 9.0 kg<br>0.8 cm: 14.4 kg<br>1.0 cm: 18.0 kg<br>1.5 cm: 27.0 kg<br>2.0 cm: 36.0 kg | |
| Tolerance | Length: ± 2 %, width/thickness: ± 2 mm | |
| Temperature range (± 60°C) | 20°C | |
| Tensile strength (±15%) | Multicolor 5: 1.5 N/mm$^2$<br>Multicolor 10: 1.2 N/mm$^2$<br>Multicolor 15: 1.1 N/mm$^2$<br>Multicolor 20: 1.0 N/mm$^2$<br>Multicolor 30: 1.0 N/mm$^2$ | ISO 1798 |
| Elongation at break | Multicolor 5: > 73 %<br>Multicolor 10: > 58 %<br>Multicolor 15: > 58 %<br>Multicolor 20: > 55 %<br>Multicolor 30: > 50 % | ISO 1798 |

Sport

HET Elastomertechnik GmbH | Hagenauer Straße 53 | 65203 Wiesbaden | Telefon: +49 (0)611 504029-10 |
Fax: +49 (0)611 504029-30 | info@het-group.com | shop.het-group.com | het-group.com

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| Compressive strength (max.) | 0.5 N/mm² | |
| Thermal conductivity [200 x 200 x 20 mm] (±15%) | 0.18 W/mK | EN 12667 |
| Water-permeable | Yes | |
| Fire rating | Multicolor 5: $E_{fl}$<br>Multicolor 10: $E_{fl}$<br>Multicolor 15: $E_{fl}$<br>Multicolor 20: $E_{fl}$<br>Multicolor 30: $D_{fl}$-s2 | EN 13501-1 |
| Resistance | Water, ice, UV (discolouration is possible due to weather conditions) | |
| No / conditionally resistant | Fuels, oils, greases, hydrocarbons | |
| Conformity with French VOC regulation and KMR regulation | Yes (class A+) | |
| Conformity with AgBB 2021 scheme (German Committee for Health-related Evaluation of Building Products) | Yes | |

## LEGAL DISCLAIMER

The following information and our technical advice – whether verbal, in writing or by way of trials – are given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to check its validity and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility. Our advice concerning safety does not release you from the obligation to determine the safety measures designed for your production environment, that we may not be able to anticipate, to check abilities and to inform the people who will use, handle or be in contact with these products.

The products characteristics described in the present technical data sheet may be modified at any time as a result of changes in techniques or regulations and are therefore only valid providing that they have not been cancelled and superseded by a more recent issue.



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