

### 1. Application – Indoor Areas Only

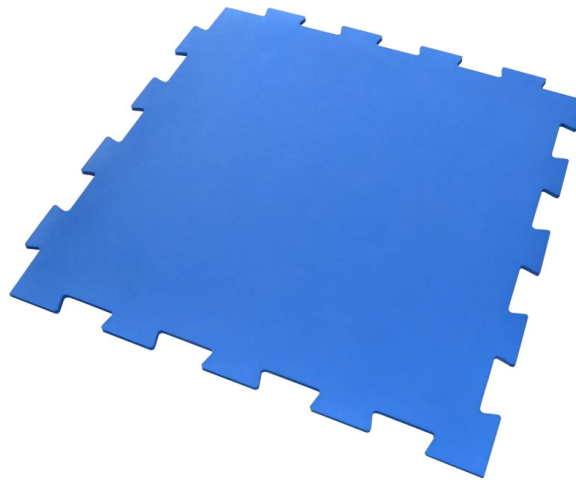
**SPORTEC<sup>®</sup> Motionflex** is a jigsaw puzzle mat made of fine polyurethane foam. It has been developed especially for indoor applications that involve highly dynamic movements such as aerobics, Zumba, yoga, pilates and other similar activities. **SPORTEC<sup>®</sup> Motionflex** offers a comfortable training surface for a safe workout. **SPORTEC<sup>®</sup> Motionflex** ensures high walking comfort and still allows for precise motion sequences. Due to its jigsaw puzzle interlocking system, **SPORTEC<sup>®</sup> Motionflex** is connected quickly and firmly and can be adapted or complemented to any gym floor space.

### 2. Material

The product is made from fine polyurethane soft integral foam.

### 3. Product Design

**Colours:** Grey, Green, Blue, Red



**Surface:** Slightly roughed

**Lower surface:** Smooth

### 4. Dimensions / Tolerances

**Length/Width:** 750mm / 750mm ( $\pm 1.5\%$ )

**Thickness:** 9mm ( $\pm 0.3\text{mm}$ )

**Density:** Approx. 420kg/m<sup>3</sup>

**Tile weight:** Approx. 2.1kg

**Area weight:** Approx. 3.8kg/m<sup>2</sup>

## 5. Product Testing

<b>Tensile strength:</b>	Min. 1.5N/mm <sup>2</sup>	(EN ISO 1798)
<b>Elongation at break:</b>	Min. 250%	(EN ISO 1798)
<b>Hardness:</b>	27 Shore A	(DIN 53505)
<b>Fire resistance:</b>	Ffl	(EN 13501-1)
<b>Force reduction:</b>	44%	(EN 14904)
<b>Standard deformation:</b>	2.77mm	(EN 14904)
<b>Compression hardness:</b>	0.25N/mm <sup>2</sup>	(DIN 53577)
<b>Compression set:</b>	3.9%	(DIN 53572)
<b>Wear resistance:</b>	150mg	(DIN 53516)
<b>Stress-static:</b>	0.25N/mm <sup>2</sup> (Complies 2.5kg/cm <sup>2</sup> )	(internal tested)
<b>Stress-dynamic:</b>	4.00 N/mm <sup>2</sup> (Complies 40kg/cm <sup>2</sup> )	(internal tested)
<b>Temperature range:</b>	-40°C to 80°C	(internal tested)
<b>Temperature resistance:</b>	Short time 120°C	(internal tested)

**TVS MOTIONFLEX**  
**Product Data Sheet PDS 1.1 TVS MOTIONFLEX**  
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