

# GROUP-X ACTIVITIES



DATASHEET

## **P** PAVIGYM MOTION

The unique solution for aerobic and group-x areas

An industry first: one flooring that meets all requirements. Reduction of injuries, shock absorption and point elasticity, friction specially for group-x and avoid marks on the floor.

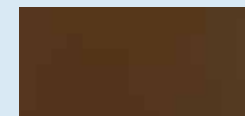
# TECHNICAL INFO

Weight		8,6 kg
Density	UNE-53526	860 kg/m <sup>3</sup>
Hardness	DIN 53505	75° Sh A
Water absorption	ASTM D570	0%
Coef. of linear dilatation	0°C-40°C	1,5 10 <sup>-40</sup> C <sup>-1</sup>
Fire reaction	EN 13501-1	Cfl-s2
Abrasion resistance	EN-5470	614 mg
Shock absorbance	EN 14808	30%
Coefficient of friction	EN 13036	95
Sound insulation	ISO 10140-3	17,2 dB

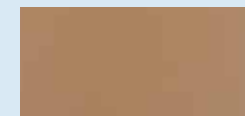
# COMPARATIVE CHART

	PAVIGYM MOTION	PARQUET	LINOLEUM (PVC)
Comfort and wellness	*****	***	***
Shock absorption	****	**	****
Movement protection (Slip/blocking)	****	***	***
Sound insulation	****	**	***
Thermal insulation	****	****	****
Durability	*****	***	**
Water resistance	*****	**	****
Easiness and short installation time	*****	**	***
Damaged area replacement (modularity)	*****	*	*

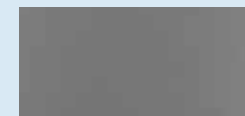
# COLOURS



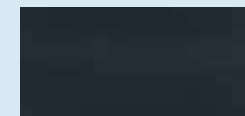
PAVIGYM WENGUE



PAVIGYM BEECHWOOD

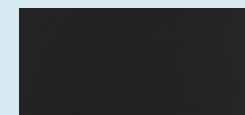


PAVIGYM STONE GREY



PAVIGYM B. MARBLE\*

\*GEÄDERTE OBERFLÄCHE



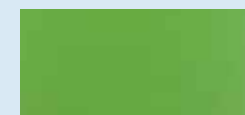
PAVIGYM JET BLACK

## SPECIAL COLOURS

\*On request: min. quantities of 70m<sup>2</sup>



PAVIGYM CYAN



PAVIGYM LIME

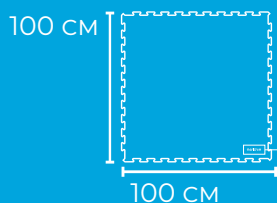


PAVIGYM RED

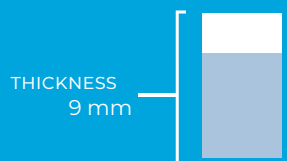


PAVIGYM WALNUT

\*The appearance and color of these pictures may differ slightly from the final product.



To avoid product counterfeiting, our tiles are marked with the Pavigym logo.



3 mm Top Layer  
Virgin rubber + Pavigym friction compounds = Resistance + Optimized friction

6 mm Bottom Layer  
Rubber + Air (Pavigym Air Flooring System) = Impact absorption + Energy return

# APPLICATIONS

The best solution for aerobic & group-x areas.

- Aerobic.
- Bodyjump.
- Step.
- Bodypump.



# BENEFITS

## 1

### Avoid marks

Falling accessories in some activities such as BODYPUMP™ or BODYCOMBAT™ is highly challenging for traditional solutions (PVC, wood or laminate).

**Pavigym Motion virgin rubber provides the resistance you need.**

## 2

### Optimized friction

The excess or lack of friction between flooring and shoes is directly connected to acute injuries. The European norm EN 14904 dictates a friction coefficient between 80 and 110.

**Pavigym Motion reaches an optimum friction coefficient of 95 (PVC < 80; Recycled rubber >110).**

## 3

### Impact absorption

With regards to impact absorption capacity, the EN 14904 recommends values >25%. When you jump:

- SAND: 100% absorption → No energy return → Fatigue
- CONCRETE: 0% absorption → Discomfort, injury risk
- **P. MOTION**: 30% absorption → Energy is absorbed + returned via microbubbles of air.

## 4

### Point elasticity

A point elastic flooring such as PAVIGYM MOTION will only be deformed at the point that you jump on. An aeroelastic floor (such as wood) will deform the entire area → Discomfort, injury risk.

With an aeroelastic floor the higher impact forces the brain to readjust the users joint articulations against the impact which leads to micro injuries and ultimately no chronic injuries.

BIOMECHANICAL INSTITUTE, Valencia

## 5

### Easy to install

- Loose laid flooring.
- Easy to change tile by tile.
- No adhesive required.
- Huge time & cost saving.



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**P** PAVIGYM  
MOTION

