

WORKOUTS SPORTS GROUND

SURFACES AND
ELEMENTS FOR
SPORTS GROUNDS



G GELPO
A member of the REC group

SPORT SURFACES FOR OUTDOOR USE

Safety, quality and long durability

A good sports ground is the basis for exercise. Whether it is a big city sports park or a small sports field for several persons, it should be safe, durable and should not lack suitable and safe exercise elements.

High-quality sports facilities attract the people a lot - today are especially popular the street workout playgrounds, which are actually like an open-air gym. Thanks to the booming of street workout playgrounds, it's a good idea to take the teens away from computers and bring them to the sport. Sports facilities also make a significant contribution to suppressing unwanted social phenomena – they are proven to reduce criminality. And they are not just for the young, they are also appreciated by the parents of the children practising or even by the active seniors.



The quality is vital for the safety as well as exercise:

Quality sports ground:

- greatly increases the comfort
- during the exercise, is safe
- meets the highest standards and TÜV certifications
- resistant in overload of individual elements
- the development and testing is provided by experts as well as by top athletes

Advantages of rubber surfaces

- safety
- meet stringent standards and certification
- elasticity (resilience in surface impact)
- water permeability (drains water from the sports ground)
- anti-slip
- UV stabilized
- allows year-round use of the workout sports ground

SURFACES FOR A WORKOUT SPORTS GROUND

Plain tile

The tile is an economic option for workout sports grounds.

Basic information

Material: SBR rubber with polyurethane binder

Size: 1 980 x 980 x 15 mm

Weight of 1 pc: 25.5 kg

Density: 875 kg/m³

Colour



This type of tile is available on request also in a form of a puzzle, which significantly accelerates the assembly of the surface and the puzzle locks ensure the integrity of the surface, these tiles are not slipping away there are no gaps growing between the tiles.

Upon customer's request, it is possible to produce a tile with other dimensions. The tiles must be installed on a concrete or asphalt surface.

Tile with raster

The tile has a so-called raster on the underside to provide surface resilience, rapid water drainage and ensures a more elastic feeling when walking and rebounding. In the case of sports games, children running, presence of game elements and other activities, the cover absorbs the impact on the surface and silences the acoustic noise in lower floors.

The tile is made from SBR rubber or EPDM rubber.

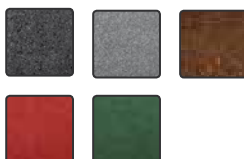
Basic information

Material: SBR rubber or more expensive and more stable EPDM rubber (black RE-EPDM layer + 5 mm top layer of dyed primary EPDM)

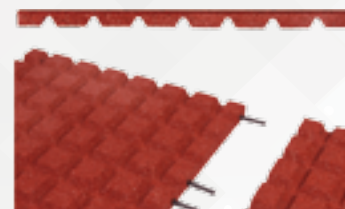
Dimensions: 500 x 500 mm

Density: 750 kg/m³

Colour



Tile with raster, thickness 30 mm, raster 15 mm



Tile with raster, thickness 65 mm, raster 28 mm



PRODUCED IN SEVERAL VARIANTS AND HEIGHTS ACCORDING TO THE REQUIREMENT OF CRITICAL HEIGHT OF THE FALL (HIC)

Name	Raster	Thickness (mm)	Weight (kg)	HIC (cm)
Tile with raster	15	30	4.8 kg	110
	28	45	6.4 kg	150
		65	10.4 kg	190

Tile joints are using a plastic pin.

The tile can be installed on a gravel surface (several fractions of vibrated aggregate which drains the water well). It is not necessary to have a concrete or asphalt surface.

SPORT SURFACE SYSTEM

Floor covering systems can be used for virtually any sports ground (athletics tracks, tennis courts, multifunctional sports grounds). The underlying material is concrete, asphalt or gravel bed.

The surface is smooth, it does not require frequent maintenance, the surface is not loose, but compact and solid. This surface is practically incomparable with grass, grit, mulch and other, because it is superior in durability (lifetime 12–15 years) as well as in functionality – no need to mow it, sweep the sand around, pick stones from the grass. The surface does not make the children dirty if wet or dusty in the dry days.

The surface is virtually maintenance-free and only requires sweeping away the dirt. To ensure aesthetic appearance, you can rinse it once a year with pressurized water.

Thanks to its construction, the surface reduces the risk of injury of children as a result of falling and is weather resistant. The surface is colour stable and UV stable.

Each wet pour rubber surface is designed for given type of sports ground to meet the requirements of a given location to ensure safety and comfort for the users of the sports ground.

Thanks to the use of EPDM rubber, any colour design that you can think of on the surface can be created - see the GELPO EPDM colour chart. More complex graphics (brands, club names, corporate logos, city coats, etc.) can be created.

The total height of the surfaces depends on the height of the workout set and its critical fall height Hic.

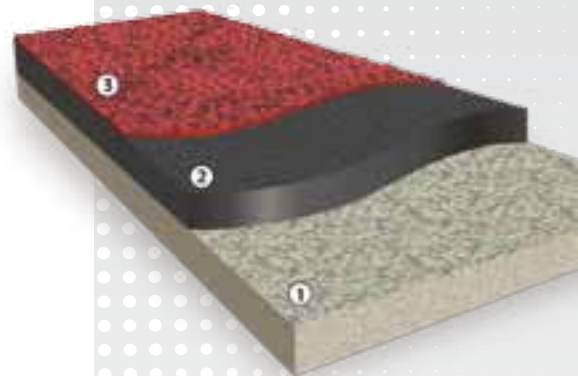
Hic 160 cm - surface height 48 mm

Hic 240 cm - surface height 78 mm

Hic 280 cm - surface height 98 mm

Hic 320 cm - surface height 118 mm

Hic 390 cm - surface height 159 mm



1. Base
2. SBR granulate 2-6 mm with polyurethane adhesive
3. EPDM granulates with polyurethane adhesive



Advantages of sport surface system:

- high elasticity
- good impact absorption
- anti-slip surface high
- coefficient of friction
- aesthetic appearance
- resistance to athletic footwear
- the standards ČSN 1177: 2009 are met for the critical height of the fall Hic



ISO 9001
LL-C (Certification)

GELPO s.r.o,

Vazová 2143

688 01 Uherský Brod

CZECH REPUBLIC

www.gelpo.cz

e-mail: obchod@gelpo.cz