



PLAY- GROUNDS

SPORTINGS
SURFACES

G GELPO
A member of the REC group



SURFACES FOR THE PLAYGROUNDS

Safety, quality and long durability

The surface for an existing or a new playground must be selected carefully. The surface of a playground must comply with strict safety and hygiene standards, have minimal maintenance costs in the long term, must be extremely durable and stable, and must also attract the attention of both children and adults.

The rubber surfaces meet the above parameters, and are much better than the cheaper surface variants such as sand, natural grass, bark mulch or grit, due to the safety and minimal care.



Advantages of rubber surfaces:

- safety
- meets standards and certifications for playgrounds (ČSN 1177:2009 standards + hygienic certificate)
- elasticity (resilience in surface impact)
- water permeability (drains water from the sports ground)
- anti-slip
- UV stabilized

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.

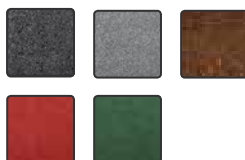
Basic information

Material: SBR rubber or EPDM rubber (layer of black recycled EPDM + 5 mm top layer of dyed primary EPDM)

Dimensions: 500 x 500 mm

Density: 750 kg/m³

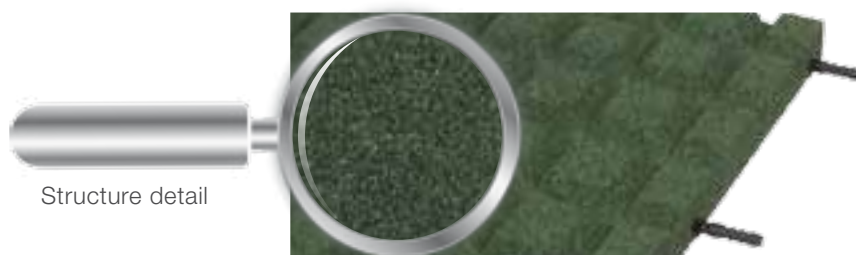
Colour



PRODUCED IN SEVERAL VARIANTS AND HEIGHTS ACCORDING TO THE REQUIRED CRITICAL HEIGHT OF THE FALL HIC

Name	Raster	Thickness (mm)	Weight (kg)	HIC (cm)
Tile with raster	15	25	3.85	90
		30	4.38	110
		40	6.8	130
	28	40	5.4	130
		45	6.4	150
		50	7.4	150

Upon the customer's request, a 1000 x 1000 mm tile can also be produced. Tile joints are made 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.



Structure detail



Tile with raster, thickness 40 mm, raster 15 mm



Tile with raster, thickness 40 mm, raster 28 mm



Tile with BIG raster

It is a tile with a larger raster size, which allows a greater load and ensures better functionality of the whole playground in extreme conditions. Also suitable for smaller sporting surfaces such as small playground (mini football, etc.).

Basic information

Material: SBR rubber or EPDM rubber
(layer of black recycled EPDM + 5 mm top layer of dyed primary EPDM)

Dimensions: 500 x 500 mm

Density: 750 kg/m³

Colour



PRODUCED IN SEVERAL VARIANTS

Name	Thickness (mm)	Weight (kg)	HIC (cm)
Tile with BIG raster	45	8	140
	50	9	150



Structure detail

Tile with locks

Rubber tiles designed for sports surfaces. The advantage is a stable surface, minimum gaps, a low price compared to cast sports surfaces.

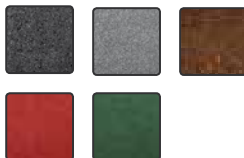
Basic information:

Material: SBR rubber with polyurethane binder

Size: 1120 x 1000 mm

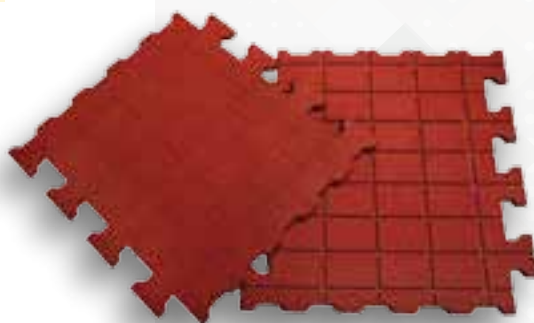
Produced in thickness of 15 mm or 30 mm

Colour



Structure detail

Tile with BIG raster



Synthetic turf

Basic information:

Material: SBR rubber with polyurethane binder and top layer of lawn

Dimensions: 500 x 500 mm

Density: 750-850 kg/m³

Produced in thickness of 15 mm or 30 mm



Structure detail



Sport surface system

Floor covering system are the most suitable surface for impact areas on playgrounds. Wet pour rubber surface is smooth and jointless, 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, colour and UV stable.

The advantage of the surface is its large colour variability, the possibility of creating images, and create additional game elements such as hopscotch, colours or digits, or any other graphics.

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.

the total height of the surfaces depends on the desired height of fall of Hic:

Hic 160 cm – surface height 48 mm

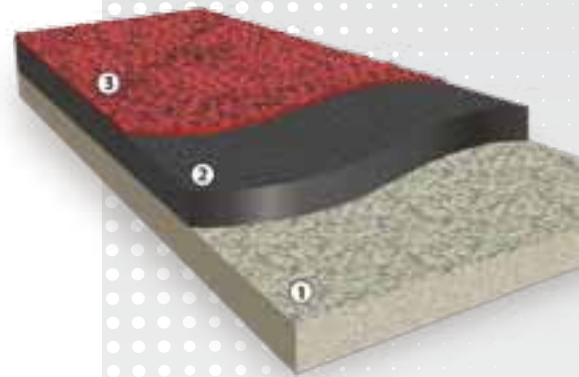
Hic 240 cm – surface height 78 mm

Hic 280 cm – surface height 98 mm

Hic 320 cm – surface height 118 mm

Hic 390 cm – surface height 159 mm

The sport surface system can also be produced in an economical variant. In this case, a combination of the SBR rubber and the recycled EPDM rubber (instead of primary EPDM rubber) is used. The limitation is only in the limited colour availability of the recycled EPDM (only black, grey, and white colour).



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 high
- coefficient of friction
- aesthetic appearance (great color variability, the possibility of creating images, and create additional game elements such as hopscotch, colours or digits, or any other graphics)
- possibility to create 3D elements and other play accessories
- the standards ČSN 1177:2009 are met for the critical height of the fall Hic



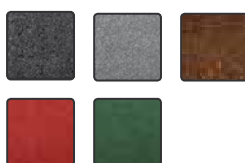
SUPPLEMENTARY PRODUCTS FOR PLAYGROUNDS

Pavement curb

Dimensions: 1 000 x 250 x 50 mm

Weight 1 pc: 10,1 kg

Colour

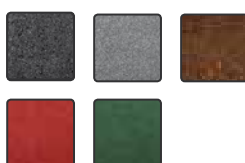


Sandpit curb

Dimensions: 1 150 x 300 x 150 mm

Weight 1 pc: 34 kg

Colour



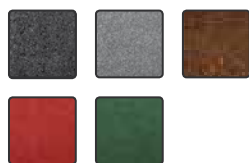
Hopscotch

Special set of tiles with numbers for the hopscotch game. These are the tiles in size from 30 mm (according to the customer's requirements).

Color SBR rubber



Color EPDM rubber





A member of the REC group



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