EN

ELTECPUR® play

Elastic molded parts made from eco-friendly rubber granules

Fall protection and accessories

HET ELASTOMERTECHNIK

Your advantages at a glance

Our product range offers a solution to any challenge arising. Tested fall protection tiles play an important role in the sports and recreational sectors in particular. For instance, they are installed on playgrounds to ensure and increase safety. HET products and systems are in demand in many other areas as well, including the fitness sector; ice-skating, horseback-riding and golfing facilities; and shooting ranges. HET products are:

- **Eco-friendly**
- **Sustainable**
- **Durable**
- **Cost-effective**
- **Accessible**
- **Weather-resistant**
- **Water-permeable**
- **Non-skid**
- **Sound-absorbent**
- **Easy to clean**
- **Fast & easy to install**
- **Safe and low in emissions**

How we help fight climate change

Sustainability is a topic that has been with us since our founding. We believe our responsibility for the environment is a central issue in our society. With our products we contribute to this to a high degree, because they are made of recycled materials, and are also recyclable themselves. At the same time, we help our customers to contribute to protecting the environment by using recycled materials. We are excited to be making a meaningful and active contribution to protecting the environment with our products by giving used tires a seccond life. It is our hope that this will make us a role model for our customers and business partners, and inspire them when it comes to protecting our world and its resources. This, in turn, benefits every one of us and increases our quality of life, both now and for future generations.

As a company, we believe it is our responsibility to have a positive ecological footprint. One way we achieve this is by optimizing our recycling process. All our molded parts are made of high-quality crumb rubber and specially selected granule sizes from the material processing of tires, bonded with a special polyurethane binder. The crumb rubber used for HET products is sourced from Europe, mainly from Germany, Poland and France. These countries are considered pioneers in recycling in Europe. In recent years, legislation has increasingly placed the responsibility on manufacturers to monitor the whereabouts of their products on the market, to ensure they are returned and recycled, and to raise consumer awareness on this issue. This affects tire manufacturers as well. HET supports this type of responsible and eco-conscious waste management, and already established cooperations with the leading producers of scrap tire crumb rubber a number of years ago. Our customers' health and safety are our top priority.

In the manufacturing of our products, all work processes, developments and documentation are in compliance with the regulations of DIN EN 9001 et seq. and 14001. The guaranteed and ensured product properties in particular can be verified by means of respective test certificates issued by independent experts and institutes. Strict testing is especially necessary when using materials from the raw material cycle to ensure the homogeneity and quality of the materials used.

Welcome to HET Elastomertechnik GmbH!

Fall protection is a recurring theme in the recreational sector. Whether on a playground or at a sports facility, our ELTECPUR® play products provide the vital safety and protection required there. As experts in elastomer technology, we have been producing and selling elastic products made from recycled material for over 30 years. Our fields of application include recreational facilities, playgrounds, rail traffic, molded parts for industrial and construction plants, and safety engineering.

As you look at the following pages, you will learn about our ELTECPUR® play products and their potential applications for use in the recreational sector. Our team of experts is happy to advise you on all matters related to the development and manufacture of new products in your industry. Please feel free to contact us. We would be delighted to count you among our valued customers.

Yours,

Christian Färber-Frottier
Managing Director of HET Elastomertechnik GmbH

Products

6-8 **ELTECPUR® play Fall Protection Tiles**

Fall Protection Tiles

9-12 **ELTECPUR® play Fall Protection Tiles in Special Colors and Motif Tiles**

Fall Protection Tiles in Special Colors

EPDM Mulch Fall Protection Tiles

Motif Tiles

13-16 **ELTECPUR® play Activity Games**

Adventure Tiles

Hopping Games

Ball Sports Flooring Tiles

Balance Step

17-19 **ELTECPUR® play Edges**

Borders

Beveled Edge and Corner Elements

Palisade Posts

Solid Rubber Steps

ELTECPUR® play
Fall Protection Tiles

Playing is essential to help children develop and grow. Given the rapidly changing living conditions of urban infrastructures, it is extremely important to create sufficient child-friendly areas for playing and creating experiences that foster children's motor, creative and social skills.

ELTECPUR® play Fall Protection Tiles help make it possible for children to develop and run around on playgrounds, while simultaneously protecting them from possible injuries caused by falls. Our mission here is we protect what you love.

Fall Protection Tiles and Fall Protection Tiles Plus

We have been manufacturing Fall Protection Tiles for installation under playground equipment for many years. They undergo strict testing in accordance with EN 1177:2018 and EN 1176-1:2017, and testing certificates from independent test institutes are available for all our tiles. ELTECPUR® play Fall Protection Tiles are the universal product for various fall heights until 3.00 m. The standard size of our Fall Protection Tiles is 50 x 50 cm. ELTECPUR® play Fall Protection Tiles Plus are also available as 100 x 100 cm. The tiles can be installed on bound and unbound substrate indoors and outdoors, and offer reliable and low-maintenance flooring for many years to come. Thanks to their even surface, ELTECPUR® play Fall Protection Tiles can be easily accessed by wheelchairs and strollers.

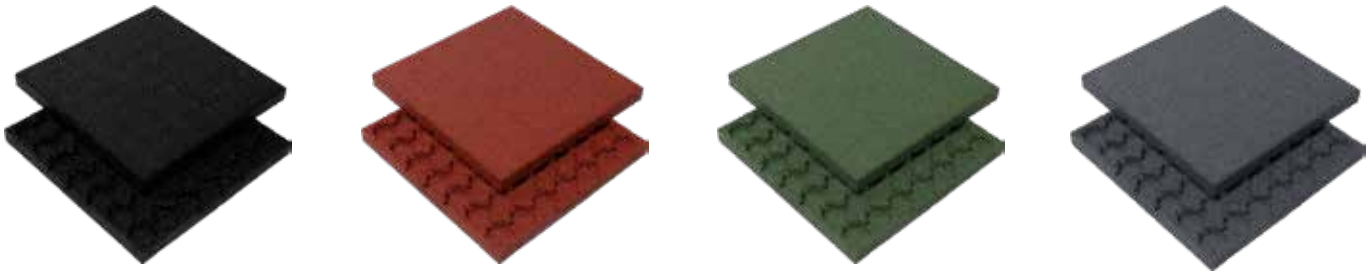
HIC measurements

In accordance with EN 1177:2018 (determination of the critical fall height), shock-absorbing flooring systems are obligatory from a fall height of more than 60 centimeters. All systems used on playgrounds open to the public must be in compliance with the criteria of the EN standard. This also includes preschools and schools.

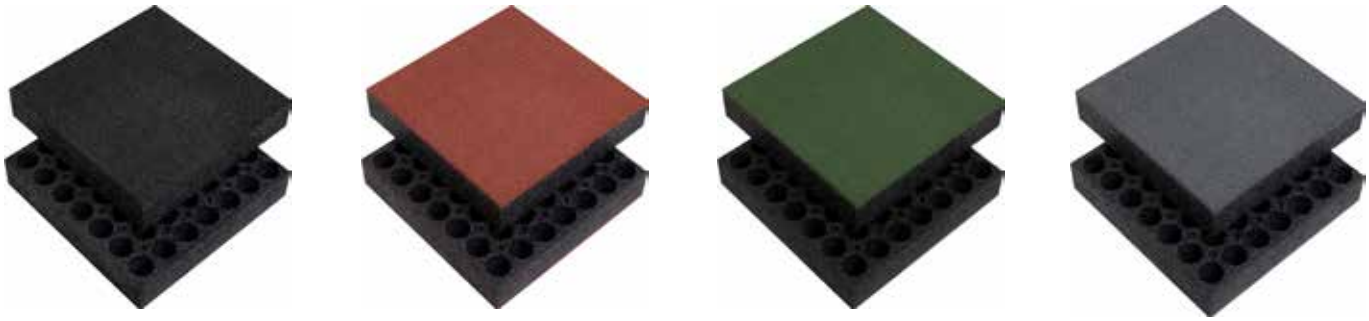
ELTECPUR® play Fall Protection Tiles 50 x 50 cm Depiction of ratio of tiles thickness to fall height

ELTECPUR® play Fall Protection Tiles Plus 100 x 100 cm
Depiction of ratio of tiles thickness to fall height

ELTECPUR® play Fall Protection Tiles 50 x 50 cm



ELTECPUR® play Fall Protection Tiles FS 50 x 50 cm



ELTECPUR® play Fall Protection Tiles 50 x 50 cm and 100 x 100 cm

HIC value	Version	Profile	Thicknesses (cm)	Dimensions (cm)	Available colors
0.67 m	Standard	S1	2	50 x 50	Black, reddish brown, green, gray
0.62 m	Standard	SN	2	50 x 50	Black, reddish brown, green, gray
0.92 m	Standard	S1	3	50 x 50	Black, reddish brown, green, gray
0.95 m	Standard	SN	3	50 x 50	Black, reddish brown, green, gray
1.50 m	Standard	1M4	4.3	50 x 50	Black, reddish brown, green, gray
1.60 m	Standard	1M4	5	50 x 50	Black, reddish brown, green, gray
1.81 m	Standard	M11	6	50 x 50	Black, reddish brown, green, gray
2.10 m	Standard	M11	8	50 x 50	Black, reddish brown, green, gray
2.50 m	Standard	M11	10	50 x 50	Black, reddish brown, green, gray
3.00 m	Special version FS	M11	10	50 x 50	Black, reddish brown, green, gray
0.64 m	Standard	S1	2	100 x 100	Black, reddish brown, green, gray
0.67 m	Standard	SN	2	100 x 100	Black, reddish brown, green, gray
0.93 m	Standard	S1	3	100 x 100	Black, reddish brown, green, gray
0.98 m	Standard	SN	3	100 x 100	Black, reddish brown, green, gray
1.33 m	Standard	1M4	4.3	100 x 100	Black, reddish brown, green, gray

2 cm tiles are delivered without connectors. Tiles in 100 x 100 cm can also be delivered with a dummy joint upon request.

ELTECPUR® play
EPDM Fall Protection Tiles and Motif Tiles

To give the rubber floor at your playgrounds a colorful look, ELTECPUR® play Fall Protection Tiles are also available in different colors with a surface made of EPDM rubber granulate.

They can easily be combined with different Motif Tiles, giving you even more flexibility in terms of design. ■

Fall Protection Tiles in Special Colors

Whether you want to transform the fall protection under the jungle gym into a blue sea, or you'd like children to slide off of the slide onto a burst of yellow, ELTECPUR® play Fall Protection Tiles in Special Colors offer limitless possibilities to design your playground. Needless to say, Fall Protection Tiles in Special Colors have also been tested in accordance with EN 1176-1:2017 and EN 1177:2018 and are suitable for various fall heights from 0.60 to 3.00 m.

Like our ELTECPUR® play Fall Protection Tiles, Fall Protection Tiles in Special Colors can also be installed on bound and unbound substrate indoors and outdoors, and offer reliable and low-maintenance flooring for many years to come.

ELTECPUR ® play Fall Protection Tiles 50 x 50 cm in Special Colors

ELTECPUR ® play Fall Protection Tiles 100 x 100 cm in Special Colors
(The version with dummy joints is depicted)

The Fall Protection Tiles in Special Colors have 4 holes on each side of the tiles and are supplied with preassembled connectors on one side (from a tile thickness of 3 cm). They are therefore delivered ready to lay. In the 100 x 100 cm size, the tile can be supplied with or without dummy joints on the top.

ELTECPUR ® play Fall Protection Tiles in Special Colors 50 x 50 cm and 100 x 100 cm

HIC value	Version	Profile	Thicknesses (cm)	Dimensions (cm)	Available colors
0.63 m	Standard	S1	2	50 x 50	Top layer according to EPDM color palette
0.63 m	Standard	SN	2	50 x 50	Top layer according to EPDM color palette
0.95 m	Standard	S1	3	50 x 50	Top layer according to EPDM color palette
0.95 m	Standard	SN	3	50 x 50	Top layer according to EPDM color palette
1.45 m	Standard	1M4	4,3	50 x 50	Top layer according to EPDM color palette
1.62 m	Standard	1M4	5	50 x 50	Top layer according to EPDM color palette
1.63 m	Standard	M11	6	50 x 50	Top layer according to EPDM color palette
1.73 m	Standard	M11	8	50 x 50	Top layer according to EPDM color palette
2.23 m	Standard	M11	10	50 x 50	Top layer according to EPDM color palette
3.00 m	Special version FS	M11	10	50 x 50	Top layer according to EPDM color palette
0.61 m	Standard	S1	2	100 x 100	Top layer according to EPDM color palette
0.63 m	Standard	SN	2	100 x 100	Top layer according to EPDM color palette
0.94 m	Standard	S1	3	100 x 100	Top layer according to EPDM color palette
0.93 m	Standard	SN	3	100 x 100	Top layer according to EPDM color palette
1.45 m	Standard	1M4	4,3	100 x 100	Top layer according to EPDM color palette

EPDM Mulch Fall Protection Tiles

For an appearance that blends in perfectly with nature, we also offer our Fall Protection Tiles in a mulch version. The mulch consists of 100% EPDM rubber and is available in the colors green (to look like grass) and brown-beige (to look like sand). Thanks to the pressed surface, this product is a very cost-effective and hygienic alternative to other mulch products. ELTECPUR® play EPDM Mulch Fall Protection Tiles are the ideal surface for your individual playground.

Needless to say, EPDM Mulch Fall Protection Tiles have also been tested in compliance with EN 1177:2018 and guarantee a critical fall height of up to 1.4 meters. The tiles can be installed on bound and unbound substrate indoors and outdoors, and offer reliable and low-maintenance flooring for many years to come. The standard version of the EPDM Mulch Fall Protection Tiles is drilled four times and delivered with connectors.

HIC value	Thicknesses (cm)	Dimensions (cm)	Available colors
1.40 m	4.3	50 x 50	Mottled green or beige-brown

Motif Tiles

Our ELTECPUR® play Motif Tiles can be furnished with different motifs. This enables even greater and more individual design options for your playground. Tested under EN 1176-1:2017 and EN 1177:2018, these Motif Tiles are suitable for critical fall heights of up to 1.40 meters. ELTECPUR® play Motif Tiles are suitable for installation outdoors on bound and unbound surfaces, as well as for installation indoors. Various colors and motifs are available. We can also furnish the Motif Tiles with your company or club logo. Motif Tiles are available in thicknesses of 2 cm and 4.3 cm.

Collections: Ocean

Dolphin, shark, seahorse:
black tile, blue motif

Dimensions: 50 x 50 cm

Savanna

Lion, elephant, giraffe:
green tile, yellow motif

Dimensions: 50 x 50 cm

Farm

Horse, wild boar, cat:
red tile, green motif

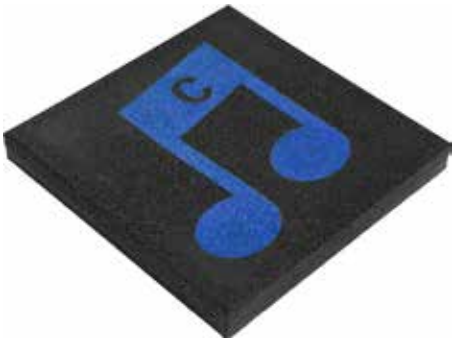
Dimensions: 50 x 50 cm

ELTECPUR® play Activity Games

Exercise should be fun and something children want to choose for themselves! When children's playing includes exercise, it helps train their motor skills, balance, stamina and creativity. The goal of our Activity Games is to help make exercise fun. Our products are gentle on children's joints, they cushion falls and help prevent injuries. Our Adventure Tiles bring play areas to life when children jump on them. Our Hopping Games have tiles with different numbers and letters and can be used to play the popular German game *Himmel & Hölle,* for instance. Our Ball Sports Flooring Tiles are the perfect surface for games with balls. They form an even playing field and have very good ball rebound properties, along with optimum sound absorption. When placed in a row, our Balance Steps encourage children to practice keeping their balance.

Adventure Tiles

ELTECPUR® play Adventure Tiles fit perfectly to our ELTECPUR® play Fall Protection Tiles. They offer even more attractive and out-of-the-ordinary options when it comes to playground design and give children the opportunity to play on them without playground equipment. Children can hop on the symbols to hear different animal sounds and use their imagination to explore animal worlds, or leap their way up and down the musical scale. The colorfully designed animals, musical notes and vehicles encourage children to be active while helping develop their stamina, creativity, motor skills and balance. With their 50 x 50 cm size and 6 cm thickness, the Adventure Tiles can be easily and seamlessly integrated into a system of ELTECPUR® play Fall Protection Tiles. The elements can be expanded as desired at any time using the extensive ELTECPUR® play collection, which also includes Hopscotch & Hopping Games, Edges and Borders, Palisade Posts and Solid Rubber Steps. Like all our products, our Adventure Tiles are made of eco-friendly recycled rubber granules and are characterized by high durability, easy cleaning and low maintenance. ELTECPUR® play Adventure Tiles are ideal for cities, communities, institutions and venues that want to give their play areas a personal touch.



Hopscotch and Hopping Games

For even more design and play options, our ELTECPUR® play Fall Protection Tiles are also available as number and letter tiles, and are suitable to help children develop their motor skills, balance, stamina and creativity. They consist of different number and letter tiles and offer additional possibilities for both designing the playground and playing there. Our Hopscotch Tiles are available as 12-piece sets for the German game *Himmel & Hölle.*

Thanks to the elastic nature of these Hopscotch & Hopping Game tiles, children's joints are also protected, falls are cushioned and injuries are avoided. Additional features of the tiles are their impact resistance and drainage capability. Tested under EN 1176-1:2017 and EN 1177:2018, these Motif Tiles are suitable for critical fall heights of up to 1.40 meters.

ELTECPUR® play Hopscotch and Hopping Games

Thicknesses (cm)	Dimensions (cm)	Basic colors available
2	50 x 50	Black, reddish brown, green, gray
4.3	50 x 50	Black, reddish brown, green, gray

The letters and numbers can be done in the EPDM colors.

Ball Sports Flooring Tiles

No matter whether they are used for community areas available to kick a ball around, or streetball, basketball, street soccer or street hockey, ELTECPUR® play Ball Sports Flooring Tiles offer very good ball rebound properties thanks to their highly compact composition. They are also very elastic and have a high force reduction, which makes them very gentle on the joints and ligaments. These protective mats are weatherproof, frost-proof, water permeable and quick-drying, so you can even resume your game again soon after interruption by a rain shower. Ball Sports Flooring Tiles also have very good sound-absorbing properties for quieter play in residential neighborhoods. Court and playing field markings can be applied with a special highly abrasion-resistant and light-fast PUR paint. The rubber covering is very durable and cost-effective, so there's no need to worry about follow-up costs after professional installation. Individual tiles can be easily replaced if necessary.

ELTECPUR® play Ball Sports Flooring Tiles

Thicknesses (cm)	Dimensions (cm)	Available colors
3	100 x 100	Black, reddish brown, green, gray
4	100 x 100	Black, reddish brown, green, gray

The tiles are available with or without a dummy joint.

Balance Step

Our ELTECPUR® play Balance Step helps make exercise fun. Placed in a row on a playground or sports facility, the individual step elements encourage children and adults to balance on them, promoting balance, coordination and muscle development.

Dimensions: Diameter of 23 cm, height: 20 cm, 30 cm, 40 cm, 50 cm. Available in the colors black, reddish brown, green, gray

ELTECPUR® play Edges

To ensure a long-lasting and stable area for your fall protection with tiles made of rubber granules, it is important for the surface to be properly enclosed. Edges made of recycled rubber granules not only fit perfectly into the surface, they also offer protection against falls and injuries thanks to their elastic properties.

ELTECPUR® play Beveled Edge and Beveled Corner Elements are very well suited for fall protection surfaces on load-bearing substrates such as concrete or asphalt. These edges are available in the same thicknesses as ELTECPUR® play Fall Protection Tiles.

This prevents tripping hazards and the area can be easily accessed with a stroller, scooter or wheelchair. Our Borders are ideally suited for non-load-bearing substrate. These borders can be laid in the liquid concrete, providing a very sturdy border for your fall protection tiles. With ELTECPUR® play Palisade Posts, areas like flower beds and paths can be easily defined and enclosed. The Rubber Palisade Posts are also ideal as sandbox borders.

Borders

To prevent serious injury, playgrounds, ball fields and beach volleyball courts should be equipped with ELTECPUR® Borders made of recycled rubber granules instead of concrete borders. Our Borders are used as edge pieces for ELTECPUR® play Fall Protection Tiles and can also be used to enclose sandboxes and trees, along with lawns, grassy areas and pathways. Thanks to their elastic properties, ELTECPUR® play Borders are easily bendable, making them suitable for round areas as well. The grooves in ELTECPUR® play Borders are used to anchor them in fresh concrete, providing reliable and sturdy fixation.

ELTECPUR® play Borders

Thicknesses (cm)	Dimensions (cm)	Available colors
4	25 x 100	Black, reddish brown, green, gray
5	25 x 100	Black, reddish brown, green, gray
6	25 x 100	Black, reddish brown, green, gray

Beveled Edge and Corner Elements

To enclose playing areas, we recommend ELTECPUR® play Beveled Edge and Corner Elements and ELTECPUR® play EPDM Beveled Edge and Corner Elements. They help to avoid tripping hazards and provide a safe transition to the play area for everyone, including wheelchair users.

ELTECPUR® play Beveled Edge and Corner Elements

Product	Thicknesses (cm)	Dimensions (cm)	Available colors
Beveled Edge Elements	3/4.3/5	25 x 50	Black, reddish brown, green, gray, EPDM color palette*
Beveled Corner Elements	3/4.3/5/6/8	25 x 25	Black, reddish brown, green, gray, EPDM color palette*
Beveled Corner Interior Elements	3/4.3/5/6	25/50 x 50	Black, reddish brown, green, gray, EPDM color palette*
Beveled Edge Elements	3/4.3/5/6/8	25 x 100	Black, reddish brown, green, gray, EPDM color palette*

*See page 11

Palisade Posts

ELTECPUR® play Rubber Palisade Posts are used to border areas like flower beds and paths, are used as protection to support slopes and embankments, and can be used as both balancing surfaces and seats. ELTECPUR® play Rubber Palisade Posts are also suitable for enclosing sandboxes, offering a uniform visual design option for playgrounds. As an alternative to palisade posts made of wood, concrete or even natural stone, our Palisade Posts made of rubber granules protect against serious injury and are very durable thanks to their weather resistance. ELTECPUR® play Palisade Posts are available in the standard colors of black, reddish brown, green and gray; in four height levels, from 40 to 100 centimeters; with a diameter of 25 centimeters. All of them have a particularly sturdy construction with an integrated plastic ground anchor for safe installation in concrete foundations and a molded groove for jointless arrangement of the individual posts. You will need 4.55 palisades for one meter of bordering.

Dimensions: Diameter of 25 cm, height 40 cm, 60 cm, 80 cm, 100 cm. Available in the colors black, reddish brown, green, gray.

Solid Rubber Steps

ELTECPUR® play Solid Rubber Steps offer versatile design possibilities, as steps or seating, to enclose play areas and sandboxes, as bleachers or to provide stability for embankments. Thanks to their anti-slip and water-permeable properties, ELTECPUR® play Solid Rubber Steps are the safe alternative to steps made of stone and concrete, and are particularly suitable for preschools, facilities for the disabled, retirement homes and convalescent centers.

ELTECPUR® play Solid Rubber Steps

Thicknesses (cm)	Dimensions (cm)	Available colors
12	24 x 100	Black, reddish brown, green, gray
15	30 x 100	Black, reddish brown, green, gray

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We are a member of BSFH
Wir schaffen Spielräume