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Sąd Rejonowy dla Łodzi-Śródmieścia  
w Łodzi, XX Wydział KRS  
**Kapitał zakładowy:** 200.000,00 złotych;

## TETRAPUR sport surfaces – cleaning & maintenance information

TETRAPUR sports and recreational surface systems have been designed to withstand all weather conditions and the test of time; however, the surface requires regular maintenance. This will enable it to maintain its functions, properties and aesthetics for many years. TETRAPUR surfaces should only be used for the purposes for which they were designed.

### 1. Selecting the right footwear for the surface.

When using the TETRAPUR surface, use the appropriate type of sports footwear for the given sport or surface:

- for TETRAPUR II, IIN, III, IIIM and IIIS surfaces – sports shoes with a flat sole or shoes with athletic spikes:

When using spiked shoes, we recommend using pyramid or Christmas tree spikes as they tend to compress the surface rather than penetrate it. Thanks to this, the surface "returns" more energy to the user and does not wear out so quickly.

We recommend shoes with spikes no longer than 6 mm for running and 9 mm for throwing and jumping events. Using spikes of a different type or longer length will lead to faster wear of the surface.

- for TETRAPUR IV and IVS surfaces – sports shoes with a flat sole
- for TETRAPUR PZ surfaces – shoes with a flat sole.

Do not use the TETRAPUR surface in footwear other than those recommended for a given type of surface, especially high-heeled shoes, football cleats, shoes with sharp or hard edges, as this may damage the surface.

### 2. Inspection of the condition of the surface.





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TETRAPUR surfaces should be regularly inspected and cleaned to ensure that they function properly and are free from contamination. This is particularly important due to maintaining their functional properties and water permeability. Establishing a cleaning and inspection schedule will help you keep your surface in top condition and make any minor repairs before they become larger problems. In addition, renewing the wear layer of the surface should be considered every five years of use and as necessary depending on the current condition of the surface.

The rate at which the surface becomes dirty, and therefore the routine cleaning schedule, is influenced by many aspects such as: climatic factors, intensity of use, air pollution (e.g. proximity to industrial plants or very busy streets), the presence of sand or vegetation in the immediate vicinity of the surface and the potential vandalism. It is important that any tears, tears or other defects are reported immediately so that appropriate repairs can be made before the damage to the surface spreads to a larger area.

Regular care and maintenance of TETRAPUR surfaces will ensure:

- safety of road users,
- long service life of the surface,
- its cleanliness and attractiveness to users.

### 3. Pavement inspection schedule:

- due to the hardening processes taking place in the surface after installation, the TETRAPUR surface should not be cleaned or used within a week of its installation
- the surface should be thoroughly inspected every 2-3 weeks. This will allow you to locate contamination and detect possible faults early. Garbage, plant materials (leaves, needles, flower petals, grass clippings, etc.), sand or loose granules present on the surface should be removed immediately. To do this, they can be swept or vacuumed using a hand sweeper (with a soft synthetic brush and light pressure on the surface) or a leaf blower

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- sand and small stones are dangerous due to the risk of slipping, they also lead to faster abrasive wear of the surface and may clog drainage. You should also make sure that there are no larger stones or other hard foreign objects on the surface, which may cause mechanical damage if stepped on. Plant materials left to rot on the surface may lead to discoloration, and are also an excellent breeding ground for the growth of mosses, lichens and fungi
- at least once every three months, the surface should be carefully checked for any damage
- all equipment (sports infrastructure, goals, baskets, toys) should be inspected every three months and if any irregularities are found, the faulty equipment should be repaired or replaced immediately. Using damaged equipment may damage the surface and be dangerous for users
- at least once every three months, check whether the surface odor removal needs to be cleaned. - in the case of athletics surfaces, certain parts of the track, such as the inside lane or the start and finish areas, are used more frequently and therefore wear out more quickly
- we therefore recommend avoiding them during training to ensure more even wear across the entire surface. - in the case of safe surfaces, it is worth paying special attention to areas of increased wear under swings and slides
- weeds that may appear in the curb surrounding the surface should also be removed regularly
- once a year, the surface should be wet cleaned - this will allow for the complete removal of dirt, abraded surface material, and biological deposits.
- in the case of objects with an area of <1000 m<sup>2</sup>, cleaning can be carried out on your own, in the case of larger objects, we recommend that you contact specialized companies
- before cleaning, the surface should be thoroughly cleaned of sand, leaves, etc. (sweeping/vacuuming)
- in the next stage, apply Tetrapur Y to the surface and scrub gently using a medium-hard brush
- leave the foamed agent on the surface for 5-10 minutes
- rinse thoroughly with plenty of running water





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- repeat the operation if necessary. Mechanical devices such as scrubber dryers (equipped with soft plastic brushes) can also be used to wash surfaces
- do not use any chemicals containing organic solvents (acetone, acetates, xylene, MEK), petroleum products (gasoline, kerosene, diesel oil), agents containing chlorine and its compounds, turpentine, WD40, waxes, paraffins, paint thinners and varnishes, and the like. They can be effective cleaning agents, but their use carries the risk of damaging (weakening or dissolving) the wear layer, changing the appearance of the surface or reducing sliding resistance
- to clean minor dirt yourself, use Tetrapur Y or mild detergents that do not contain chlorine (risk of damaging the surface) and phosphates (they may be a breeding ground for fungi and lichens), and warm water.

Pressure washers (with or without detergent) should only be used with extreme caution, as using too much pressure, positioning the lance too close to the surface or at the wrong angle may weaken the surface.

Contaminants such as drinks, chewing gum, food remains, animal feces, blood, etc. should be removed immediately, otherwise they may cause discoloration of the surface. Avoid contamination with any chemicals (oils, fuels, fertilizers, plant protection products) that cause discoloration of the surface.

If oils, fuels or chemicals are spilled on the surface, they should be immediately covered with sand or sawdust to limit contact with the surface and avoid potential damage.

Smoking, using fireworks or open fire in any form is strictly prohibited on the surface and in its immediate surroundings.

During heavy rainfall, pay attention to whether there are places on the surface where water accumulates. The presence of water ponding indicates faulty surface construction or poor drainage.

Do not use inline skates, roller skates, skateboards, bicycles, mopeds or other vehicles on the polyurethane surface. Failure to comply with this recommendation may result in stains that are difficult to remove (resulting from braking or wheel slippage) and mechanical damage.

As a result of natural aging, under the influence of UV radiation, changing weather conditions and surface use, the wear layer slowly wears away. The dust created as a result of this process may settle on users' shoes, leading to dirt.





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Due to its specificity, this process is most visible in the case of surfaces with a rough structure of the wear layer (TETRAPUR II, IIN, III, IIIM, IIIS).

Regular washing allows you to rinse dust from the surface and significantly reduce the phenomenon.

Motor vehicles are not allowed on the surface. Motor vehicles can damage and stain the surface with tire marks or leakage of operating fluids that may be difficult to remove.

Only specialized maintenance and cleaning vehicles equipped with wide, low-pressure tires with a mild profile are allowed on the surface. The unit load on the wheel should not exceed 500 kg. If it is necessary for heavier vehicles to cross the surface, a crossing should be constructed to distribute the vehicle's pressure in the form of boards or slabs. However, the point pressure should not exceed 500 kg/m<sup>2</sup>.

Do not install any devices on the surface, such as: podiums, dance floors, benches, chairs, tables and other objects that may exert high individual pressures. Do not place any objects with sharp edges directly on the surface.

If it is necessary to use the surface in winter, make sure that no tools with sharp working elements are used when removing ice and snow. Hardware must have rubber or soft plastic edges.

Snow removal vehicles and equipment must not have snow chains or spikes. Do not use salt or any other chemical antifreeze as they may damage the surface and sports footwear.

Summary TETRAPUR surfaces are easy to keep in perfect condition using simple maintenance procedures. Remember to inspect the surface regularly and address any minor problems before they become larger, necessitating difficult and costly repairs. These activities will ensure the safety and comfort of users and allow them to enjoy the surface for many years.

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