

Maintenance Cost Guidelines for Tisanos Safety Systems

To maintain optimal playability of the surface regular maintenance is required. In the instance that maintenance procedures are not closely followed, the playability of the surface may be compromised. The maintenance of the surface requires cooperation between the owner/user of the facility and a specially trained maintenance technician. The following terms are intended as follows:

Regular maintenance: maintenance by the owner/user of the surface

Specialised maintenance: maintenance of the surface by a specially trained technician

Depending on local labour costs and the location of the playground, as a general rule an estimate of approx. €3.00/m² should be calculated for the proper maintenance of an artificial turf surface for playgrounds up to 100m². Larger play areas will average between €1.20-1.50/m², as detailed below.

1. Period after installation.

After two or three months, depending on the frequency and intensity of use, it may be necessary to add additional sand infill, particularly to the high intensity use areas.

item	average frequency	unit cost	quantity per playground	total
sand	once	€ 0.25-0.30/kg	1-2kg/m ²	€ 0.25-0.60/m ²
labour	once	€ 20/hr	2 hrs	€ 40.00

2. Regular Maintenance

Vegetation / Natural Contaminants / Non organic waste

The artificial turf surface is to be checked for weeds, moss and algae by the owner/user every four to six months in the fall and winter seasons and every month in the spring and summer seasons. In autumn, leaves and needles of trees and plants may fall or blow onto the surface. If this material is not removed, it will fix into the artificial turf and subsequently contaminate the infill.

item	average frequency	unit cost
vegetation, natural contaminants and non-organic waste removal labour	2 months	€ 20/hr
moss / algae treatment labour	6 months	€ 20/hr
moss / algae treatment products	6 months	€ 20/unit

2. Regular Maintenance (continued)

Brushing

Regular brushing and mat dragging are important procedures that cannot be neglected. To maintain optimum distribution of the sand infill, and to help prevent moss and algae growth, the surface should be regularly brushed every 35 hours of play, or twice a month, whichever occurs first.

item	average frequency	unit cost
brushing - labour	2 months	€ 20/hr

Regular Maintenance Cost Summary

item	number times per year	total per 100m ² playground	total per 200m ² playground	total per 400m ² playground
vegetation, natural contaminants and non-organic waste removal labour	6	€ 120.00	€ 120.00	€ 180.00
moss / algae treatment labour	2	€ 40.00	€ 40.00	€ 80.00
moss / algae treatment products	2	€ 40.00	€ 40.00	€ 40.00
brushing - labour	6	€ 120.00	€ 120.00	€ 180.00
Total per playground / year		€ 300.00	€ 300.00	€ 480.00
Total per m² / year		€ 3.00	€ 1.50	€ 1.20

3. Specialised Maintenance

No specialized maintenance of an artificial turf surface should be required if the sub base is properly constructed and the artificial turf is correctly installed. Immediately contact your installer if you discover a problem with the base construction, or seam in the artificial turf.