

## MEDIUM-TERM MAINTENANCE OF 3<sup>rd</sup> GENERATION SYNTHETIC TURFS

### **Decompression:**

Additional aerator – the whole pitch is aerated using an add-on decompaction device. This softens the turf and releases the compacted rubber infill (granules). As a result, the rubber infill is more evenly spread and more flexible (better shock absorption), while the ball bounce also improves.

2 × 1 hour, Fig. 1

**Recommended at least twice a year,  
obligatory at least once a year.**



### **Cleaning:**

Add-on cleaning device with rotary brushes – rubber infill cleaning using add-on rotary brushes with dust and waste removal by suction. This form of maintenance serves to clean the pitch of mechanical impurities such as grit, fallen leaves, pine needles etc. Waste is collected in the waste collection sieve using a system of sieves and purified rubber infill is re-laid onto the pitch. At the same time, the sucked out dust is collected in a tank behind the driver. The filter self-cleans continuously on the go. According to the level of contamination, the worker adjusts the device settings to clean the rubber infill down to 10 mm depth.

2 × 1.5 – 2.5 hours, Fig. 2

**Recommended at least twice a year,  
obligatory at least once a year.**



### **Re-brushing:**

Lateral hard brush with suction – brushing the pitch using add-on lateral brush with suction. This kind of brushing is used to level out the rubber infill and straighten the fibres. This ensures perfectly level conditions for players in terms of their movements as well as consistent bounce and rolling of the ball.

2 × 45 minutes, Fig. 3

**A part of the decompression procedure,  
following immediately after the decompression.**



**Extended and additional maintenance:**

Rotary brush – during autumn or in case of heavy pollution, the pitch needs to be cleaned of large impurities. The brush clearance should be set to the fibre level in order to only remove waste while leaving the rubber infill in the synthetic turf.

2 hours, Fig. 4



**Replenishing rubber infill**

For replenishing rubber infill, set the amount you need to refill. Replenishing should be carried out individually and evenly over the whole pitch. After replenishing, the whole pitch must be re-brushed with a lateral brush.

2 hours, Fig. 5

**To be always carried out after decompression – recommended after use of the pitch in winter months.**



**Snow plough**

In winter, snow should be removed from the pitch to the edges. The pitch can then be aerated and re-brushed. Cleaning with suction is not possible if the rubber infill is wet.

Fig. 6 and 1



**Inspecting seams and line markings**

During each visit, a technician will inspect the pitch, especially the seams and line markings. A written record of the inspection results will be drawn up and included in the “Maintenance Book”.