Infill Retention Measures

As SBR is defined as a microplastic, it is vital to minimise infill loss from the area and to prevent the transfer of SBR to the environment by players or other means. Several design details are introduced to this proposal to minimise infill loss (in accordance with The Football Association and FIFA recommendations) as detailed below.

0.2m and 0.5m high containment barriers installed to the bottom of the fencing around the AGP, made from 100% recycled plastic.



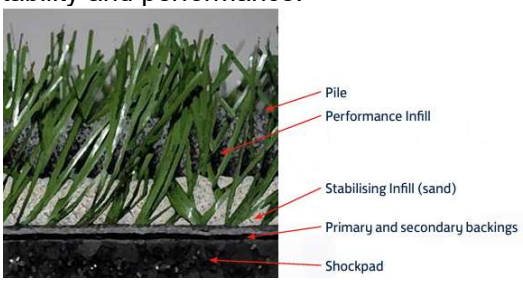
Example 0.5m containment barrier

Porous asphalt surfacing and slab paving surrounding the AGP to prevent the rubber crumb from migrating to the surrounding area by ensuring that users must walk across the hardstanding before leaving the 3G environment.



Example asphalt spectator area

Addition of a shockpad reduces the infill requirement due to the increased shock absorption. With a shockpad in place, the pile height of the artificial grass can be shorter. A shorter pile requires less infill to maintain stability and performance.



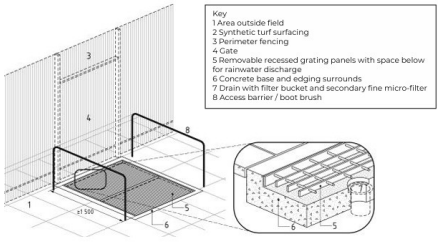
Cross section of a 3G pitch with a shockpad

Football boot cleaning stations are used to clean football boots before and after playing to wipe off any loose rubber crumb before existing the 3G pitch environment.



Example Football boot cleaning station

Detox infill collection grates placed in front of gates to ensure that users must walk over the grate, and loose rubber crumb is collected, before the user leaves the 3G environment. The grates are connected to a suitable drainage outlet with suitably sized filters.



Example Detox grate outside a 3G pitch

Suitably designed drainage inspection chambers with waste sumps to capture any materials entering the drainage system to prevent any rubber crumb from entering into the drainage system.



Example cross section of an inspection chamber with a waste sump