

Practice to be assessed and included in the Guidelines

Number/code: OM/SM1

Title: RE-MATCH ARTIFICIAL TURF RECYCLING

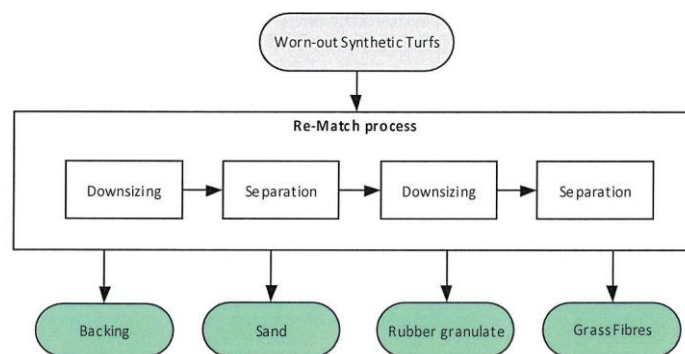
Guidelines section:

<input type="checkbox"/>	Governance	<input checked="" type="checkbox"/>	Operational management
<input type="checkbox"/>	<i>Context of the event</i>	<input type="checkbox"/>	<i>Procurement</i>
<input type="checkbox"/>	<i>Event</i>	<input type="checkbox"/>	<i>Mobility and logistics</i>
<input checked="" type="checkbox"/>	<i>Stadium management</i>	<input type="checkbox"/>	

Description

Re-Match turf recycling has as the first in the world developed a separation process that makes it possible to clean and recycle 99 percent of the old artificial turf. The separation is a mechanical process. The used artificial turf runs through several separation steps, where both air and sieving are used to separate. In addition, Re-Match uses separation tables and gravity to separate the individual components and remove waste. Re-Match’s advanced separation technology is tested thoroughly for the cleanliness of the end-product and the efficiency of the process. Once the Re-Match process is complete, we have 99% clean products. These are ready for use in production and installation of new artificial turf – completing the life cycle – a-cradle-to-cradle solution.

In the high-tech and patented plant the turf is downsized, dried, separated and cleaned - without using water. The result is four clean materials (sand and rubber, grass fiber and backing) without creating additional waste products



The 99% clean sand and rubber, grass fiber and backing is of the highest quality, and regularly quality tested by an external institution.

The granulated grass fibers are used within a host of other industries and recycled by either compounding or pelletizing, ready to be used in the production of new plastic products. The infill (sand and rubber) is either re-used in new turfs or in other applications – such as field/landscape/sporting applications. Re-Match has received an ETV (Environmental Technology Verification) certification.

Environmental benefits

The technology allows to clean and recycle 99 percent of the old artificial turf. The common destination of that material is landfill so the application of the technology reduces landfilled materials and allows to recycle the 4 components of artificial turf (sand and rubber, grass fiber and backing).

Economic benefits

The application of the technology allows to reduce the landfill costs to be paid by turf owner.

Replicability potential

This practice can be applied to all fields in artificial turf that must be renewed. The replicability potential is naturally linked to the presence of artificial turf in the football fields.

Source

[Re-Match](#)

[EU Commission - Eco Innovation](#)

[FIFA - environmental impacts and economic data of artificial turf management](#)